Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 138
Number 18

October 28, 1940

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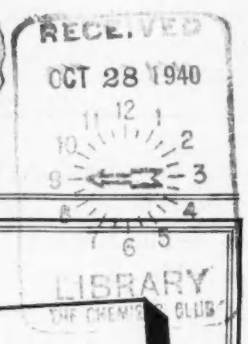

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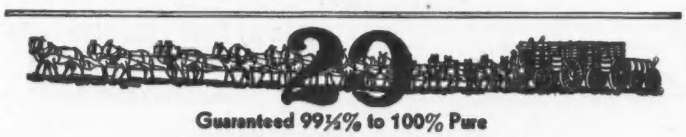

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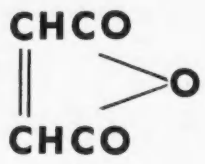

Because of the need for faster finishing schedules and improved surface-coatings, the demand has steadily grown for the maleic-type of synthetic resins. To help meet this need, Carbide and Carbon Chemicals Corporation has begun large scale production of Maleic Anhydride. Its chemical structure indicates a promising future as an intermediate in the production of other industrially useful products in addition to its use as a raw material for the resin and protective coating industries.

The chief reaction of this white crystalline solid is the formation of ester-type resins that possess a uniformly light color, relatively low viscosity in solutions of high concentration, the ability to release solvents rapidly on drying, excellent gloss, and good durability. Maleic resins make hard, tough, fast-drying, quick-sanding wood and metal lacquers which have excellent color retention.

Maleic Anhydride can replace 5 to 10 per cent of the phthalic anhydride in the fatty acid-modified alkyd resins to increase the heat reactivity and hardness in baking coatings. Varnishes produced from maleic resins have a pale color and a high resistance to yellowing, which make whiter enamels possible. These varnishes are used where film hardness and quick-drying are desirable, and especially where the utilization of slower drying oils is important.

Many other useful compounds, such as the substituted succinic acid derivatives, may be derived by addition reactions at the olefine linkage of Maleic Anhydride. This anhydride undergoes the typical reactions of dicarboxylic acids, forming salts, esters, acid chlorides, and amides. It is expected that as these and other indicated new uses are developed, Maleic Anhydride will become an important intermediate in industrial synthetic chemistry.

For information concerning the use of Maleic Anhydride, address:

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Volume 138 October 28, 1940 Number 18

Chemical Workers And Payrolls Gain

Employmen Up 2.6 Percent—Payrolls Also Show Gain—Both Are Above 1939 Figures

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted a gain of 2.6 percent from August 15 to September 15, according to the Bureau of Labor Statistics. At the end of the monthly period employment was 3.8 percent above the corresponding level of 1939. Payrolls showed a gain of 2.5 percent from August 15 to September 15, and stood 10.9 percent above corresponding level for 1939.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries September 15, was 122.6 (100 equals 1923-25 average), compared with 119.4 for August 15 and 118.0 for September, last year. For payroll totals the index number was 138.2 (same basis), compared with 134.8 for August 15 and 124.6 for September 15 last year.

The Bureau's general index numbers for all manufacturing industries April 15, 1940, showed the following comparisons:—

	1940. Sept.	1940. Aug.	1939. Sept.
Employment	107.2	103.3	104.2
Payroll totals	109.4	103.8	93.8

Employment in the chemical group of industries was 33.7 percent above the average of all industries. Payroll totals were 57.4 percent over the general average for industries.

—*Continued on page* 31

A.C.S. Elects 72 To Administrative Posts

Election of seventy-two chemists to Administrative and editorial posts in the American Chemical Society has been announced by Dr. Charles L. Parsons, secretary of the society. Officers were chosen by seventeen of the society's professional divisions, as well as by the local section officers' group and the divisional officers' group. Editors and associate editors of five scientific publications were named, and a member of the council policy committee has been re-elected.

Changes in the names of two divisions were announced. The division of microchemistry becomes the division of analytical and microchemistry, and the division of paint and varnish chemistry will henceforth be know as the division of paint, varnish and plastics chemistry.

The society, which now has approximately 25,300 members, has undertaken a nationwide census of all chemists and their experience in the interest of national defense. It is working as the agent of the National Roster of Scientific and Specialized Personnel, of which Dr. Leonard Carmichael, president of Tufts College, is director, and James C. O'Brien, defense liaison official for the Civil Service Commission, is executive officer.

—*Continued on page* 60

Chemists Institute Plans Neiman Dinner Nov. 1

The American Institute of Chemists will honor its national secretary. Howard S. Neiman, at an informal dinner in the Chemists' Club, this city, November 1,. Mr. Neiman has been secretary since 1928. Dinner will be served at 7 p. m.

Addresses will be made by some of the former presidents of the institute, and Dr. Harry L. Fisher, of the U. S. Industrial Chemicals, Inc., who is currently serving as president.

TVA Nitrogen Plant to Be Built

OPD Washington Bureau
October 24, 1940

The War Department will make a contract with the Tennessee Valley Authority for the construction of a modern nitrogen fixation plant near Muscle Shoals, Ala., according to reliable authority. The plant will be owned by the War Department and operated by the TVA as agent, and will have a daily capacity of 150 tons of ammonia nitrate.

At the end of the defense emergency the plant could be closed down or could be turned over to the TVA to make fertilizer. It is understood that the defense commission opposed this project but was finally persuaded to clear it.

Tin Ore Contract Made with Bolivians

OPD Washington Bureau
October 22, 1940

Development of a domestic tin-smelting industry in contemplated by the announcement of tin ore purchases from Bolivia by the United States, and the construction of a tin smelter in this country.

Federal Loan Administrator Jesse Jones has made public the signing of a five-year contract with Bolivian tin producers, guaranteed by the Bolivian government, by which the Metals Reserve Company would buy enough tin concentrates to smelt about 18,000 tons of fine tin annually. At the same time it was made known that the Metals Reserve Company would either build a smelter, or contract with one of the smelting companies to construct and operate a plant in the United States. New Jersey, where a tin smelter was built during the World War, is seeking to have the plant located within its borders, but no final decision has yet been reached.

—*Continued on page* 31

Toluol Plant to Be Built For $11,857,000 in Texas

OPD Washington Bureau
October 24, 1940

Progress was made by the National Defense Advisory Commission this week in announcing contracts for the construction of plants to produce defense materials. These included a plant for the production of toluol from petroleum, a new TNT plant, additions to TNT and smokeless powder plants already under construction.

The toluol contract, announced by the War Department and cleared by the Defense Commission today is with the Humble Oil & Refining Co. of Houston, Tex., and totals $11,857,000. It covers the construction of a plant, and another contract will be made for the production of toluol.

Weeks ago it was announced that the Humble company had been ordered to speed up plans for the construction of a toluol plant on a site to be selected and under a contract to be negotiated. It is understood that this contract was sent to the White House for approval some time ago, but that for some undisclosed reason the contract was not approved until today.

Principal provisions of this contract are as follows:—

(a) For the construction of a new plant at Baytown, Tex., close to the presesnt site, of the existing Humble plant to be known as the Baytown Ordnance Works, $10,760,000.

(b) For additional equipment in the existing Humble plant, $1,097,000.

The details of the agreement on construction follow the terms of the emergency plant facility contract developed jointly by the National Defense Advisory Commission, the War Department, Navy Department and the Treasury Department. In each case the company will furnish the funds for and undertake the construction. The Government will repay the cost of expansion over a period of five years.

At the end of five years the con-

—*Continued on page* 35

Linus Pauling Wins Nichols Medal

Dr. Linus Pauling, head of the division of chemistry and chemical engineering at California Institute of Technology, and called "the outstanding theoretical chemist of the United States and probably of the world," has been awarded the 1941 William H.

Linus Pauling

—*Continued on page* 33

Lead, Zinc Producers Financially Analyzed

OPD Washington Bureau
October 22, 1940

In its recently inaugurated series of studies of the combined financial records of leading concerns in various important industries, the Federal Trade Commission today issued a report on six companies producing lead and zinc. It says:—

The six producers and manufacturers of lead and zinc and lead and zinc products, whose financial reports are combined, represent six of the most important concerns in this industry, from the standpoint of investment, value of goods sold and workers employed. The six corporations included in the survey reported consolidated sales for the year 1939 aggregating $190,985,924, or slightly under 52 percent of the total value of products reported by the Bureau of the Census for 1937. The report reflects the operations only of corporations that specialize in the "Lead and Zinc" business, and does not reflect the operations of the general smelters and refiners of nonferrous metals, including lead and zinc.

The data are shown in combined form in a manner which does not identify the results of any individual corporation. The report is, in general, confined to a presentation of basic data, in amount of money value, together with the mathematical ratios and percentages derived from these data.

The total net sales during 1939 of the corporations amounted to $190,985,924. Of the total sales, $188,233,742, or 98.6 percent, was sold in the domestic market, and $2,752,182, or 1.4 percent, was sold for export or in foreign markets. Costs and expenses applying to the goods sold in 1939, or the total operating outgo (including cost of materials, wages, taxes, depletion, and so forth) amounted to $170,690,943. The combined net profit from operations, plus other income and

—*Continued on page* 35

Chemical Materials and Processes That Industry Asks of Research

"What new product, process, or material might industrial research develop that would be valuable to your industry?" asked Research Advisory Service of executives in the various departments of the foremost companies in the United States. It received 1,042 replies. A collation of these by Bert H. White, R.A.S. director, contains the following which have to do with the general field of manufacturing and applied chemistry:—

1.* The waterproofing of linseed oil or other paint vehicle would prevent much of the corrosion of metals, the blistering of paint, and other failures of metal-protective coatings.

2. A chemical, catalyst, bacteria, or enzyme which would produce hydration of cellulose. At the present time, cellulose is hydrated by mechanical means with a high consumption of power.

3. A finishing compound that can be applied to cotton textiles to make them wrinkle - resistant without impairing strength.

4. If the cost of harvesting the cotton crop could be reduced sufficiently to yield the producer a fair return, the cotton textile industry would receive a real stimulus in its struggle with competitive fibers. Several mechanical pickers have been brought out, but none has solved the problem. Harvesting the cotton, stalk and all, and through a chemical process reduce it to liquid form from which yarns might be spun, as is now done with rayon, might be the solution.

5. A cheap source of supply of phthalic anhydride or any other dibasic acid that could replace phthalic anhydride, would enable the protective-coating industry to produce finishes at a lower price.

6. *Alkyd resins are dependent on the price of glycerin. What the paint and varnish industry needs is a synthetic method of producing glycerin that would keep the price low.

7. An inexpensive true solvent for cellulose.

8. A chemical process to render wool knit goods absolutely shrinkproof without harm to the fiber.

9. A chemical application on rayon knit goods imparting run-resisting properties to the fabric.

10. *Fiberglas textiles have exceptional strength, and since they are completely incombustible, offer an important new development in the aircraft industry for wing fabrics, etc. There is need for improved fireproof, weatherproof and temperature-resisting impregnants to fill in the weave of the cloth.

11. Safe, economical material for drycleaning floor coverings. Methods using water and detergents are not satisfactory since they accelerate wear and shedding and frequently cause odor as the detergents cannot be removed while the carpet is down.

12. A low priced, light-colored, non-

—*Continued on page* 29

* Items preceded by an asterisk (*) are those indicated by the National Inventors Council at the request of the Advisory Commission to the Council of National Defense as most urgent from the standpoint of national defense.

Closing Markets

Tetrochloride of Tin Lower

Anhydrous tetrachloride of tin was ¼c. lower at 25¼c. per pound. No change occurred in other tin derivatives. Straits metal remained unchanged at 51⅝c. per pound.

Cottonseed Oil Steady

Changes in refined cottonseed oil futures were narrow on Friday, the tone of the market apparently being steady. Trading was quiet and featureless. Final prices were about where they stood at the close of the previous week, January ending at 5.41c. and May 5.63c. Crude cottonseed oil was quiet and steady. Soybeans were easier in Chicago.

W.H. Bower to Retire As Bower Co. President

William H. Bower will retire as president of the Henry Bower Chemical Manufacturing Company, Philadelphia, on November 1, marking the completion of fifty-four years of continuous service with the company.

In order to fill the vacancies caused by this resignation, the board of directors has appointed the following to serve:—President, Henry Bower; first vice - president - treasurer, Sydney Thayer,jr.; second vice-president and secretary, Edmund Rowland; assistant secretary and assistant treasurer, Frank B. Bower.

William H. Bower was born in Philadelphia June 13, 1864, and was graduated from the University of Pennsylvania with a B.S. in chemistry, and since his graduation has been affiliated with the business founded by his father in 1858.

Born in Philadelphia June 11, 1896, Henry Bower, the newly-elected president of the company, was graduated from the University of Pennsylavnia in 1918. He served as second lieutenant in the flying corps of United States Marines in 1918-19. He started as clerk in the company, serving later as sales-manager and as assistant treasurer, and was vice-president previous to his election as president. Mr. Bower is also a member of the directorate of the Mutual Chemical Company of America, and is a member of the Union League Club of Philadelphia.

Innis-Speiden Extends Bleach Prices to 1941

Innis, Speiden & Co., this city, which, through its Isco Chemical Division located at Niagara Falls, N. Y., is one of the largest producers of chloride of lime (bleaching powder) in this country, reports that it is prepared to take contracts for 1941 on the same price basis that has prevailed this year.

The company offers its "Isco Brand" chloride of lime, 35 to 37 percent available chlorine, in carload lots at the following prices:—

	Per 100 lbs.
In 800-pound drums	$2.00
333-pound drums	2.25
100-pound drums	2.85

In less than carload lots, five packages and more, the prices are 25 cents per 100 pounds above the car-lot schedule; for less than five packages, the prices are 50 cents per 100 pounds above the car-lot schedule.

All prices are f.o.b. Niagara Falls, freight equalized with Wyandotte, Mich., and are subject to the customary three months' adjustment clause. The terms are thirty days net, or less 1 percent for cash in ten days.

Solvay Chlorine Output In South to Be Increased

The Solvay Process Company has announced that it will shortly commence work on installation of additional facilities to increase capacity of its chlorine plant at Hopewell, Va. This installation will sharply increase the company's already large production of chlorine.

It was stated that expansion of Hopewell plant is necessitated by increasing consumption of chlorine for industrial use, particularly in the south. Solvay also operates chlorine plants at Syracuse, N. Y., and Baton Rouge, La.

Chemical Price Changes Minor

There were a goodly number of price changes (mostly advances) in the markets for heavy and fine chemicals last week, but they did not for the most part affect materials of importance. The only trends indicated were in naval stores and organic fertilizers, both being upward.

Business pursued the even and gratifying tenor of recent weeks. Schedules for 1941 were coming out—aqua ammonia in drums, caustic potash and the carbonate, bleaching powder—at unchanged figures.

Prices were advanced on gum turpentine, gum rosin, dried blood locally, cottonseed meal in the Southeast, menhaden scrap at Baltimore, fertilizer tankage at Chicago, domestic and Argentine casein, TN and superfine shellacs, ground domestic fluorspar, common gambier, and domestic egg albumen.

The price of zinc yellow U.S.N. was reduced.

The REPORTER's composite index number of prices for heavy and fine chemicals remained at 130.1 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 92.1, compared with 90.5 at this time last year and 88.8 in 1938.

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Shell Oil Names Symon Technical Products Head

Benjamin G. Symon, formerly of St. Louis, has been made manager of the Shell Oil Company's technical products department, according to Alexander Fraser, president. Mr. Symon will be in charge of all sales East of the Rocky Mountains of naphthas, solvents and other petroleum products for chemical, technical and household use.

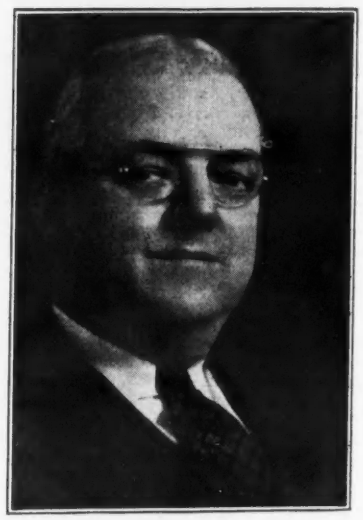
Mr. Symon's appointment is part of a move combining Shell's Eastern and Mid-Western marketing and producing units. Executive offices have been centralized in the R.C.A. building, New York, with twelve division offices in Boston, Albany, Baltimore, New York City, Cleveland, Detroit, Chicago, Minneapolis, St. Louis, Indianapolis, Nashville and Atlanta.

Mr. Symon has been with the Shell company for over twelve years. After graduation from the University of Missouri he spent several years in the commercial refrigeration field before joining the Shell company in 1928 as assistant to the manager of the St. Louis office. In 1931 he became lubrication salesmanager in the Shell division office at New Orleans, but returned to St. Louis in 1934 to become assistant manager of that office. Three years later he was made manager of the technical products department, also in St. Louis, which led to his present appointment.

Penna. Salt Co. Elects L.A. Smith Vice-President

Philadelphia, Oct. 22, 1940

At the annual organization meeting of the board of directors of the Pennsylvania Salt Manufacturing Company



L. A. Smith

the following officers were reelected: —President, Leonard T. Beale; vice-presidents, Y. F. Hardcastle, N. Emory Bartlett.

L. A. Smith, well known in chemical and financial circles who came with the company in 1896 and advanced through minor positions to the office of secretary and treasurer, which he has held since 1921, was elected vice-president and treasurer. Warner R. Over, formerly assistant secretary and

—*Continued on page* 31

Columbia Alkali to Open Office in Charlotte, N.C.

W. I. Galliher, director of sales of the Columbia Alkali Corporation, this city, a division of the Pittsburgh Plate Glass Company, has announced the establishment of another chemical sales office in the Southeast in charge of J. R. Simpson, of Durham, N. C. After February 1, 1941, the office will be located at Charlotte, N. C.

Mr. Simpson, was graduated from Duke University in 1924 and since that time has been engaged in educational affairs in the North Carolina Public School Administration and Duke University. During his college career Mr. Simpson was prominent in athletic affairs, having served four years on the varsity football squad. Mr. Simpson was born in Winston-Salem, June 6, 1903.

Drug Labels Lack Adequate Information

OPD Washington Bureau
October 24, 1940

The Food and Drug Administration will soon begin a drive to force manufacturers to place more information on the labels of food, drugs, and cosmetics, it was predicted by Walter G. Campbell, Commissioner of Foods and Drugs, in a speech prepared for delivery at the convention of the Association of Food and Drug Officials in New Orleans this week.

Tracing the history of legislative policy toward labeling, from the "Let the buyer beware" attitude to the new food, drug, and cosmetic act, Mr. Campbell called special attention to section 201(n) of the law which makes a product misbranded if its label fails to reveal facts material in the light of its representations or material with respect to the consequences of its use. This notice has not yet been substantially complied with, he said, and "it may be that this is one of those important features which will need to be emphasized by judicial comment."

Mr. Campbell explained that the administration will not issue a formal trade notice regarding compliance with section 201(n) because such a notice could not cite all possible types of omission of essential information, and some manufacturers would claim they had not been warned if their labels were attacked.

The same remarks, Mr. Campbell said, apply to section 502(f)(2) requiring that drug labels bear warnings against use which may be dangerous to health and against unsafe dosage. He explained that the administration will not attempt to tell manufacturers what are adequate directions; but that, since "the public is not getting the benefit intended by this section of the act," this will be "a fruitful field for future regulatory operations."

Wholesaling in Defense To Be Discussed Nov. 12

OPD Washington Bureau
October 25, 1940

Panel discussions on warehousing, storage, wholesale price policies, and other important wholesale problems have been placed on the program of the wholesale trades meeting in Washington, November 12, Miss Harriet Elliott, consumer member of the defense advisory commission, announced today. At least one session will be devoted to exploring the responsibilities and the contributions of the wholesalers to the national defense program, on which discussion will be permitted from the floor.

Among the seventy-five wholesale trade groups, which have been invited to meet with Miss Elliott to discuss methods by which the wholesale trades may cooperate with the defense commission, are the National Wholesale Druggists Association, the National Paint, Varnish, and Lacquer Association, the Federal Wholesale Druggists Association, the Beauty and Barber Supply Institute, the National Sanitary Supply Association, the Wholesale Surgical Trade Association, the National Wholesale Liquor Dealers Association, the Independent Petroleum Marketers Association, and the National Oil Marketers Association.

Trade Ass'n Executives To Discuss Defense

The Trade Association Executives in New York and the trade association division of the Chamber of Commerce of the United States will hold a defense forum October 30 at the Hotel Commodore. Among the speakers will be Leo M. Cherne, executive secretary of the Research Institute of America; Lieut. Col. Frank J. McSherry, of the office of the Assistant Secretary of War; W. Gibson Carey, jr., president of Yale & Towne Manufacturing Company; Dr. Isador Lubin, commissioner of labor statistics, Department of Labor; Benjamin Namm, president of the Namm store, Brooklyn, and George A. Renard, secretary of the National Association of Purchasing Agents.

Wage-Hour Law Covers $200-Month Executives

OPD Washington Bureau
October 24, 1940

All "white-collar" workers making more than $200 a month are not exempted under the re-definitions of 'executive," "administrative," and "professional," it was emphasized by Colonel Philip B. Fleming, Administrator of the wage and hour division, Department of Labor.

Many questions on this point were received at the wage, hour offices following the announcement of the definitions which became effective on October 24, the same day on which the standard workweek dropped to 40 hours under the law. Employees are not limited to 40 hours a week but must be paid time and one-half for all work in excess of that.

Employers should examine the definitions we have just issued, said Colonel Fleming, before coming to the conclusion that any of their employees are exempt from overtime payments because they are getting $200 a month or more.

British Navicerts Issued For Medicines to France

The British government will allow medical supplies to enter both occupied and unoccupied France and is willing to grant navicerts for such shipments. Only strictly pharmaceutical products, drugs and materials for bandages will be included. The permission does not include entry of products which are of medical use but are not exclusively so in character, such as foodstuffs, food extracts, clothing, blankets, fuel and household equipment.

Granting of the permission was announced by the British Ministry of Economic Warfare in response to a plea made by James W. Johnson, former president of the American Ambulance Corps in France. Notified of Britain's decision, Mr. Johnson promised that steps would be taken to send medical supplies to France as soon as possible. The permission covers more than was really asked, Mr. Johnson said, since it allows supplies to enter both occupied and unoccupied France. This is important since typhus has already been reported in camps housing French prisoners of war in the occupied area.

Textile Chemists Told Army Wants Waterproof Fabric

Textiles are being delivered to the Philadelphia Quartermaster depot of the United States Army at the rate of 1,000,000 yards a week, declared Lieutenant Colonel Vere Painter in an address at the annual banquet of the American Association of Textile Chemists and Colorists, held during the twentieth annual meeting of the association in the Commodore hotel, this city, October 18-19. Even at this rate, he added, there will be a race to see whether clothing or men arrive first in the army camps, once the selective service program is put into effect.

In the business sessions of the meeting, the assembled chemists discussed developments during the past year in the fields of textile dyeing, processing, and fabrics testing. Also heard was the first presentation of technical papers submitted by the various sections of the association. The award for the best paper, submitted by the Rhode Island section, was presented at a luncheon at the New York World Fair, October 20.

Characterizing the army as the world's largest purchaser of textiles, Col. Painter stated that four months have elapsed since the first large orders for cloth were placed. Since then, he added, additional cloth and blankets have been contracted for to make a total of 20,000,000 yards of woolens and worsteds, 30,000,000 yards of cotton materials, and 4,000,000 blankets. Another purchase of 17,000,000 yards of worsted fabrics is now being made. he said.

Col. Painter warned those gathered of the severity of army requirements. After a contract has been awarded, he pointed out, it is the duty of the officer in charge of inspection to see that there is delivered exactly the material for which the government is paying. He also asked that textile chemists and research investigators endeavor to develop for army use a wind and waterproof fabric.

The discussion of textile manufacturing developments occurred during symposiums for that purpose held on the second day of the meeting. In a symposium on the evaluation of the properties of finished textiles, the gathered technicians heard Edwin J. Saxl, of the Saxl Instrument Company; Ruth E. Slabaugh, of the University of Missouri; Emily W. Akin and Alfred R. Macormac, of the Alabama Polytechnic Institute; Kenneth H. Barnard, of the Pacific Mills Print Works; and George A. Slowinske, of E. I. duPont de Nemours & Co.

There followed a symposium on chemical and dyeing aids for the textile industry in which the speakers were:—Ralph I. Ericsson, of the Warner Chemical Company; Paul Logue, of the Monsanto Chemical Company; P. H. Scott, of E. I. duPont de Nemours & Co.; O. M. Morgan and H. Seyfreth of the National Aniline and Chemical Company; and G. L. Royer

—*Continued on page 56*

Michigan Alkali Honors 567 Veteran Employees

Wyandotte, Oct. 18, 1940

A prediction that amazing new inventions "perhaps dwarfing even the electric light, the telephone, the motor car and the radio" will come in the next fifty years was made by J. B. Ford, jr., vice-president of the Michigan Alkali Company, as the company observed its fiftieth anniversary here last night.

The celebration took the form of a dinner given in honor of 567 veteran employees who had served the company a quarter century or more. A gold watch was presented to each of the honor guests in recognition of the company's golden jubilee. S. T. Orr, general manager, was toastmaster. Emory L. Ford, president, spoke briiefly.

In predicting the technological advances to be expected during the next fifty years J. B. Ford, jr., said:—

Amazing technological changes have taken place in this country since our company was organized in the last decade of the nineteenth century. Great inventions have wholly altered our way of life. The electric light, the telephone and telegraph, the automobile, the radio have

—*Continued on page 61*

DCAT Hears About Defense Programs and Foreign Affairs

Defense procurement of materials and politico-economic conditions and trends in Latin America and the Far East were discussed before the Drug, Chemical and Allied Trades Section of the New York Board of Trade in the business session at its fifth annual Fall outing-meeting October 17 to 19 at Skytop, Pa.

Ralph E. Dorland
DCAT Chairman

The business session which occupied the afternoon of October 18 was well attended and was charactized by unusually close interest in the presentation of the topics. Ralph E. Dorland, of the Dow Chemical Company, chairman of the section, presided; the speakers 'program was under the direction of Hugh Craig, of the OIL, PAINT AND DRUG REPORTER. The speakers were:—

Major Clifford V. Morgan, chief of the Chemicals Section, Commodities Division, Army and Navy Munitions Board: —"Drug and Chemical Aspects of National Defense Organization and Functions."

Dr. Simon G. Hanson, chief economist for the Committee to Co-ordinate Commercial and Cultural Relations Between the American Republics:—"The United States Looks Southward."

Robert Aura Smith, foreign correspondent of the *New York Times*, lecturer, and author of the recently published book, Our Future in Asia:—"United States Trade and Asiatic Policy."

Arrangements for the meeting were handled by John J. Toohy, of E. R. Squibb & Sons, vice-chairman of the section. Considering the weather and the "state of the nation," the attendance, which fell but a corporal's guard short of last year's high record, was excellent. The progress of the party also reflected the efficacy of the preparatory efforts.

Defense Procurement

Against a background of variously contributing world events, Major Morgan sketched a picture of the status of the Army and Navy Munitions Board in relation to the Council of National Defense, and outlined the

—*Continued on page 48*

Potash Supplies in U.S. Adequate for Needs

Knoxville, Tenn., Oct. 22, 1940

That adequate supplies of potash, an essential plant food in the growing of all crops, are assured America's agricultural defense program, was stated here today by Dr. J. W. Turrentine, president of the American Potash Institute, Washington, in an address before the Rotary Club. In his opening remarks the speaker contrasted the years 1914 and 1939, in both of which war was declared in Europe.

When war was declared in 1914, the price of potash soared from $35 to $350 and even to $500 per ton. In 1939 when war was declared the price was $25 per ton and there it still remains, $10 lower for the same grades of potash salts than in 1914, he said. The reason, as pointed out by Dr. Turrentine, is that during the intervening years America has developed a potash industry now capable of meeting American requirements for this essential fertilizer ingredient, whereas in 1914 the German potash mines represented the sole source of that commodity for world agriculture.

Export Group Told Americas Could Not Be Self-Sufficient

Any effort to set up the Western Hemisphere as a self-sufficient unit would result in a lop-sided economy with production far outbalancing consumption, Percy W. Bidwell, director of studies for the Council on Foreign Relations, told the Export Managers Club at a dinner October 24 in the Pennsylvania hotel, this city. Mr. Bidwell and W. R. Herod, president of the International General Electric Corporation, agreed that the financial power of the United States and its power in foreign trade made it a formidable influence an economic conditions in all parts of the world.

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SULFITES

Did you know that Mallinckrodt is a dependable source of supply for Sulfites, Bisulfites and related products? All of these materials are products of high assay made to meet definite standards. The SO_2 content, on which efficiency depends, is high.

SULFITES

	Formula	Average* Assays	Calculated SO_2 Equivalent	Form	Solubility in Water
AMMONIUM SULFITE	$(NH_4)_2SO_3+H_2O$	99% as $(NH_4)_2SO_3+H_2O$	47%	Small Granules	Freely Soluble
CALCIUM SULFITE	$CaSO_3+1\frac{1}{2}H_2O$	104% as $CaSO_3+1\frac{1}{2}H_2O$	45%	Crystalline Powder	Practically Insoluble
POTASSIUM SULFITE	K_2SO_3	98% as K_2SO_3	40%	Coarse Crystalline Powder	Freely Soluble
POTASSIUM META-BISULFITE	$K_2S_2O_5$	97% as $K_2S_2O_5$	56%	Granular or Powdered	Moderately Soluble
SODIUM SULFITE	Na_2SO_3	99% as Na_2SO_3	50%	Small Granular and Fine Powder	Freely Soluble
SODIUM META-BISULFITE	$Na_2S_2O_5$	90% as $Na_2S_2O_5$	61%	Granular or Powdered	Moderately Soluble

*These figures are determined at the time of manufacture. Over long storage periods changes may be expected since some of these chemicals have a strong affinity for oxygen

Mallinckrodt also supplies – in small or large quantities –
Magnesium Sulfite, Sodium Bisulfite, Zinc Sulfite, Barium Sulfite, and Acid Sulfurous 6%.

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Current Market Quotations

October 25, 1940

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lbs. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .07 - —
tanks, dlvd.....lb. .05 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville...lb. .08¾- —
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys., cs.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys., cs.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys., cs.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys., cs.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5% bbls.....100 lbs. 7.62 - 7.87
l.c.l., same terms.....lb. .09 —
cbys. .....100 lbs. 8.42 - 8.37
tanks .....100 lbs. 5.00 - 5.50
USP, bbls.....100 lbs.10.25 -10.50
cbys., ...100 lbs.10.75 -11.00
synth., 99.5%, al. dms..100 lbs. 8.43 - 8.68
tanks .....100 lbs. 5.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
C.P., dms.....100 lbs.13.50 -14.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys., cs.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys., cs.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys., cs.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys., cs.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities: the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride. dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 20-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Adipic, fib, dms., works....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech. bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms.....oz. 2.00 - 2.05
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex whse...ton.108.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld...ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse...ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse...ton.123.00 - —
Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton.128.00 - —
USP, ±25 per ton hiher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .13 - .13½
Caproic, dms., works.....lb. .30 - .35
Carbolic (see Phenol).
Caprylic, dms.....lb. .17½- —
Castor oil, split, dms.....lb. .16 - .17
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¼- —
l.c.l., 5 tons, dlvd., N. Y., lb. .15¾- —
smaller quantities, dlvd., N.Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10 - .10½
Corn, dist., dms.....lb. .08¼- .08¾
Cottonseed oil, dist., dms....lb. .07¾- .08
tanks .....lb. .07¼- —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms, c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms...gal. .65 - .70
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S..gal. .43 - —
l.c.l., same basis.....gal. .44 - .45
tanks, dlvd., East. U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .49 - —
l.c.l., same basis....gal. .50 - .51
tanks, dlvd., East. U.S.gal. .448 - —
Crotonic, 10 bbls. or more, dlvd..lb. .21 - —
smaller lots, dlvd.....lb. .26 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 and over.....lb. .11 - —
1-24 .....db. .11½- —
Fumaric, bbls., 1-ton delivery..lb. .24 - —
smaller lots.....lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
N.F. VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - —
5-lb. bots.....lb. 2.63 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, 10% dilute, cby. lb. .20 - —
concentrated, 34%, cby.....lb. .35 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber, dms.....lb. .08 - .08½
48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —
52%, lead, cbys.....lb. .13 - —
rubber, dms.....lb. .12 - —
60%, lead, cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works..... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19, cbys.....lb. .11 - .12
1 to 4, cbys.....lb. .11½- .12½
Acid, lactic, plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¼- .14½
80%, bbls., cbys., 5 or more..lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .43
Lauric, dist., tech., dms....lb. .11½- .12
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .11¾- .12¼
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P. dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .16 - .16½
Naphthenic, dom., acidity 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb.11.00 - —
5-lb. bots.....lb.11.50 - —
1-lb. bots.....lb.12.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works....100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24 works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over.....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palmitic, bgs.....lb. .09¾- .10¼
Palm oil, white, dist., dms..lb. .06¾- .07¼
tanks .....lb. .06¼- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
dms., 25 lbs.....lb. .15 - —
10%, dilut., cbys., dms...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.20 - —
cns. .....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.20 - —
Pyroligenous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works.....lb. .27 - —
l.c.l., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebasic, CP, bbls., works....lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .08 - .08½
Stearic, dist., double pressed, bgs., dlvd..lb. .09 - .10
single pressed, bgs., dlvd..lb. .08½- .09½
triple pressed, bgs., dlvd..lb. .11¾- .12¾
saponif., double pressed, bgs., dlvd..lb. .09¼- .10¼
triple pressed, bgs., dlvd..lb. .12 - .13

Acacia—Alcohol

Acid, succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E, works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs.....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment.....lb. .41¼- —
smaller quantities...lb. .41¾- —
kgs. .....lb. .42¼- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Chem. grade, kgs., works..lb. No prices
Aconite leaves, bls.....lb. .32 - .34
Root, bls.....lb. .45 - .50
Aconitine, amorph., bots.....oz.23.00 - —
vis. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vis. .....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .26½- .27
hyd., dms.....lb. .24½- .25
Agar, 1, bls.....lb. 1.45 - 1.50
3, bls.....lb. No prices
Agaric, white, bls.....lb. 5.00 - 5.25
Albumen, blood, dark, flake, bags, f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. .60 - .65
powd., dms., bbls.....lb. .65 - .75
import, cs.....lb. .62 - .64
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
normal, dms., l.c.l., wks....lb. .25 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works...lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
tanks, frt. alld.....lb. .08 - —
tankwagon, frt. alld.....lb. .08½- —
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .25½- —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in drms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .30½- —
19 bbls., E. works....gal. .32½- —
1 to 18 bbls., E. works, gal. .35½- —
dms., c.l., E. works...gal. .29½- —
19 dms., E. works...gal. .31½- —
1 to 18 dms.....gal. .34½- —
tanks, E. works.....gal. .23½- —

Anhydrous 3c. per gal. higher.

SD2B, dms., c.l., works, E. gal. .27½- —
19 dms., works E...gal. .29½- —
1 to 18 dms., works, E. gal. .32½- —
tanks, E. works.....gal. .21½- —
SD23G, works, E., c.l., dms., gal. .33½- —
19 dms.....gal. .35½- —
1 to 18 dms.....gal. .38½- —
tanks .....gal. .27½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.

ACID ASCORBIC U.S.P.
ACID NICOTINIC U.S.P.
ACID NICOTINIC AMIDE

THE NEW YORK QUININE & CHEMICAL WORKS
INC.
GENERAL OFFICES
99-117 North Eleventh Street, New York, Borough of Brooklyn
ST. LOUIS DEPOT, 915 MARKET STREET, ST. LOUIS, MO.

Alcohol, special solvent, dms., c.l., works..gal. .30½- —
20 dms. to c.l.....gal. .32½- —
1 to 19 dms.....gal. .35½- —
tanks, E. works.....gal. .24½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .09½- —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .08½- —
tech., dms., c.l., dvld.....lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Ethyl, 190 pf., ex. molasses, bbls., c.l..gal. 6.00½- —
19 bbls.....gal. 6.04 - —
1 to 18 bbls.....gal. 6.07 - —
dms., c.l.....gal. 5.99½- —
19 dms.....gal. 6.03 - —
5 to 18 dms.....gal. 6.06 - —
1 to 4 dms.....gal. 6.08 - —
tanks .....gal. 5.93½- —
absolute, dms., c.l.....gal. 6.34½- —
19 dms.....gal. 6.38 - —
5 to 18 dms.....gal. 6.41 - —
1 to 4 dms.....gal. 6.42 - —
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0690- —
tanks, same terms.....lb. .0590- —
Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest.gal. .65 - —
55 gals., c.l., same basis, gal. .33½- —
l.c.l., same basis...gal. .38½- —
tanks, frt. alld.....gal. .28½- —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .36 - —
l.c.l., same basis...gal. .41 - —
tanks, same basis.....gal. .31 - —
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.30 - 3.35
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y..lb. .44 - —
450-lb. lots, same basis..lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .60 - .65
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .42 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .80 - .85
peeled, bls.....lb. .58 - .63
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N.Y., Phil..100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd. N.Y., Phila..100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N.Y., Phila....100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd. N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd. N.Y., Phila..100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
dlvd. N.Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd. N.Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd..lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd. lb. .45 - —
solut., 32%, bbls., c.l., dlvd..lb. .09½- —
l.c.l., 10 or over, dlvd. lb. .11 - —
1 to 9, dlvd.....lb. .12 - —
normal, pwd., bbls., dlvd. lb. .22 - —
smaller containers, dlvd. lb. .35 - —
solut., 20%, bbls., c.l. dlvd..lb. .08 - —
l.c.l., 10 or over, dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd. com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works..lb. .11 - —
100 lbs. or less, works..lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30% solut., bbls., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .15 - —
Alumina, hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .18 - —
l.c.l. .....lb. .19 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron,free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works.....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum 98-99%, c.l.....lb. .18 - —
l.c.l. .....lb. .19 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .61 - —
ink, dms., 1,500 lbs.....lb. .71 - —
standard, dms., 1,500 lbs..lb. .38 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .56 - —
standard, dms., 1,500 lbs..lb. .56 - —
rubber compound, dms., 1,500 lbs..lb. .39 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz. 17.00 -26.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va.....ton. 90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N. Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l .....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs., or less.....lb. .42 - —
Bicarbonate, bbls., dlvd., Met. N. Y..lb. .0556- —
kgs, same basis.....lb. .0606- —
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, bbls., dlvd., Met. N. Y..lb. .08 - —
kgs., same basis.....lb. .11 - —
cns., same basis.....lb. .13½- —
powdered, 1c. per lb. higher.
Chloride, tech., (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs .....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms .....lb. .80 - —
50-lb. dms .....lb. .82 - —
25-lb. dms .....lb. .85 - —
cns. .....lb. .85 - —
Fluoride, bbls. .....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. .17 Nom.
Persulphate, kgs. ,dom.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. 1.55 & .79
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11¼- —
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, Oct.-Dec. shipt..ton. 28.00 - —
spot, same basis.....ton. 29.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., dlvd..lb. .06 - —
l.c.l., works.....lb. .12 - .13
tanks, dlvd.....lb. .07½- —
Red, 43%, cbys., works...lb. .07½- —
dms., works.....lb. .05½- —
yellow, 33%, cbys., works..lb. .07½- —
dms., works.....lb. .05½- —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
Ammoniac, sal, white, gran., dom., bbls., c.l., works..... 100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.00 - 5.15
import, csks.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
cns., works.....lb. .16 - .18
ex Pentane, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .09½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .40
import, natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .30 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .17 - .18
Cyprus, bgs.....lb. .17 - .18
Mexican, bgs.....lb. .15 - .15½
Star .....lb. .17 - .18
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, powd.....lb. .21 - .23
Oxide, bgs., c.l.....lb. .13 - .14
l.c.l. .....lb. .14½- —
Salt, 65%, dms.....lb. .30 - —
bbls. .....lb. .38 - —
White pigment, bgs., f.o.b. Laredo, Tex..lb. .13 - .14
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....os. 23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots..os. 5.00 - 6.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. 1.75 Nom.
Root, bls.....lb. .55 - .57
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09¼- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.42 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03¼- —
l.c.l. .....lb. .04 - —
Asafetida, cs.....lb. .36 - .37
powd., bbls., bxs.....lb. .54 - .55
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton. 42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton. 40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton. 30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton. 26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton. 24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton. 20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton. 17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton. 15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant.....lb. .05 - —
smaller lots, f.o.b. plant, lb. .06 - —
California, dms., c.l., f.o.b. N. Y..ton. 29.00 - —
l.c.l., f.o.b. N. Y.....ton. 36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton. 60.00 - —
l.c.l., f.o.b. N. Y.....ton. 90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton. 35.00 - —
l.c.l., f.o.b. N. Y.....ton. 55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y., lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton. 32.00 - —
seconds, bgs., c.l., Western shipt. points..ton. 25.50 - —
selects, bgs., c.l., Western shipt. points..ton. 32.90 - —
l.c.l., f.o.b. N. J. or N. Y. whse..ton. 58.00 - —
Jet, bgs., c.l., Western shipping points..ton. 30.50 - —
Mexican, Texas, dms., c.l., refinery..ton. 19.00 - —
l.c.l., refinery.....ton. 21.00 - —
tanks, refinery.....ton. 16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton. 12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 5.75 - 6.00
Sulphate, bots.....oz. 4.00 - 4.75

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —

Alcohol—Bis.-Ammo. Cit.

Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton. 43.00 - —
precip., bgs., c.l., works..ton. 47.50 - —
l.c.l., works.....ton. 52.50 - —
bbls., c.l., works.....ton. 52.50 - —
l.c.l., works.....ton. 57.50 - —
sulphur-free, bgs., c.l., works, ton. 57.50 - —
l.c.l., works.....ton. 62.50 - —
Chlorate, kgs.....lb. .25 - .30
Chloride, CP, cryst., bbls....lb. .25 - —
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton. 77.00 - —
bbls., same basis..ton. 79.00 - —
l.c.l., bgs., same basis ton. 90.00 - —
bbls., same basis ..ton. 92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton. 81.00 - —
bbls., same basis...ton. 83.00 - —
l.c.l., bgs., same basis, ton. 94.00 - —
bbls., same basis...ton. 96.00 - —
Zone 3, bgs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton. 87.00 - —
bbls., same basis..ton. 89.00 - —
l.c.l., bgs., same basis, ton. 100.00 - —
bbls., same basis..ton. 102.00 - —
Zone 4, bgs., c.l. dlvd., Wash., Ore., Calif., Nev..ton. 83.00 - —
bbls., same basis..ton. 85.00 - —
l.c.l., bgs., same basis. ton. 96.00 - —
bbls., same basis..ton. 98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .14 - .15
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .05½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .08½- .10½
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs, ...lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton. 25.15 - —
l.c.l., same basis.....ton. 26.15 - —
paper bags, c.l., St. Louis. ton. 22.85 - —
l.c.l., same basis.....ton. 23.85 - —
ex whse., New York.....ton. 31.50 - —
Southern off color, bulk mines, ton. 12.00 - —
95.75%, bulk mines.....ton. 16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.l.f.....ton. 11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock..ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import., bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. .95 Nom.
Root, bls.....lb. .90 Nom.
Bentonite, 200 mesh bgs., Wyo., works..ton. 11.00 - —
325 mesh, bgs., Wyo., works, ton. 16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .50
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans..lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb. 17.25 -17.50
Hydrochloride, cns.....lb. 17.25 -17.50
Sulphate, cns.....lb. 17.25 -17.50
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works...lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.35
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns.....lb. 1.82 - 2.06
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.05
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.96 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.85
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 60-66%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50

Black Acetylene—Butyl Acetate

Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l., frt. alld. E., lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E., lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —

Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.

Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03075- —
f.o.b. North Atlantic ports, lb. .03950- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07025- —
dlvd..lb. .07325- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02925- —
f.o.b. North Atlantic portz, lb. .0380- —
beads, compressed, l.c.l., bgs. or cartons, f.o.b. whse..lb. .06525- —
dlvd..lb. .06525- —
Black, carbon, bulk, cars, c.l., f.o.b. plants..lb. .02⅝- —
f.o.b. New York harbor..lb. .0363- —

All carbon black prices are for delivery in August-September.

Charcoal (see C).
Graphite (see G).

Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08⅝- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09¼- —

Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .29 - .30
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
Blanc fixe, direct process, bgs., l.c., works, frt. equald., ton.70.00 - —
l.c.l., same basis....ton.75.00 -90.00
pulp, 65½%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.35 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unti-ton. 2.35 - —
import, bgs., c.l.f. ports, ship..unit-ton. 2.50 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .90

Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Blue, cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .34
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same

Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls., 28-lb. boxes 5c. above bbls.

Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —

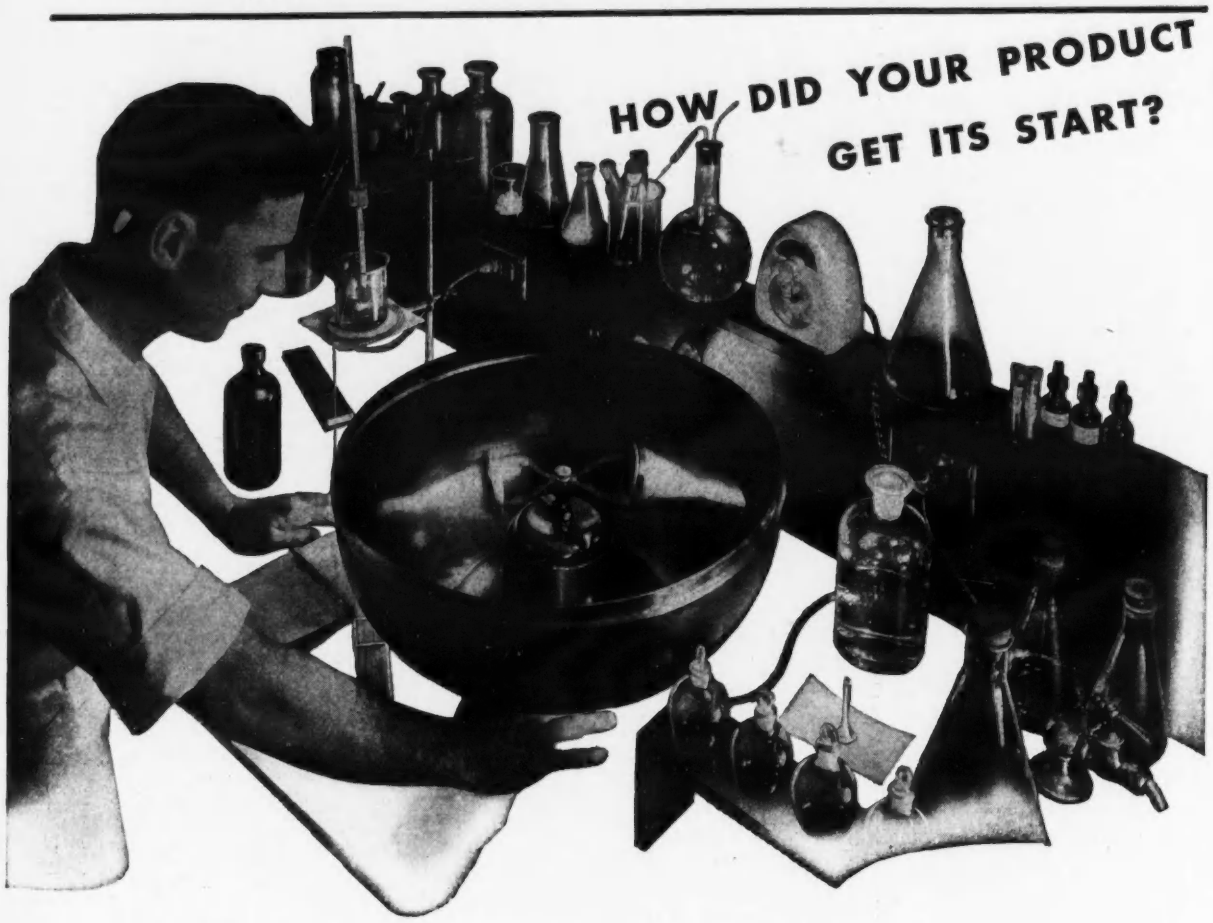
Blue dyes are listed under Dyes.
Blue mass, USP, ens., tubs..lb. 1.67 - 1.84
powd., ens., dms.....lb. 1.60 - 1.62
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 -33.00
import, bgs., c.i.f. ports..ton.31.00 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
import, 100-lb. bgs., c.i.f. ports, import, bgs., c.i.f. ports..ton.31.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.)
Steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago—ton.28.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .35 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld., ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld...ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —

USP, $15 per ton higher.

Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —

Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.

Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, ens., dms., over 10 lbs..lb. .60 - .65
moulding, ens., dms., over 10 lbs..lb. .80 - 1.00
printing ink, ens., dms., over 10 lbs..lb. .85 - 1.20
radiator, ens., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .12 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11¼- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bgs., c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis...lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09 - —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08¼- —
7, bbls., same basis...lb. .08¼- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis...lb. .07½- —
11, bbls., same basis...lb. .07 - —
12, bbls., same basis...lb. .06¼- —
13, bbls., same basis...lb. .06¼- —
14, bbls., same basis...lb. .05¾- —
raw, American, bbls., f.o.b. works..lb. .02¾- —
Italian, Group 1, bbls., f.o.b. N. Y. or works..lb. .12¾- —
2, bbls., same basis...lb. .11¾- —
3, bbls., same basis...lb. .12¾- —
4, bbls., same basis...lb .09¾- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07 - —
10, bbls., same basis...lb. .06¼- —
11, bbls., same basis...lb. .05¼- —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04¼- —
St. Louis.....lb. .04¾- —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05 - —
ex whse., Los Angeles, Portland, San Francisco, Seattle..lb. .05¼- —
Boston .....lb. .04½- —
Chicago, Indianapolis, New Orleans..lb. .05 - —
Kansas City.....lb. .05¼- —
Minneapolis .....lb. .0510- —
Pittsburgh .....lb. .04¾- —
Vandyke, bbls., l.c.l.....lb. No price
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .62 - .65
Buckthorn bark, true, bls.....lb. .75 Nom.
cut and sifted, bbls.....lb. No prices
Berries, bgs.....lb. .30 - .35
Burdock root, bls.....lb. .24 - .25
Burgundy pitch, dom., dms...lb. .05½- .06
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks., lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
tanks, frt. alld.....lb. .08 - —
tankwagons, frt. alld.....lb. .08½- —



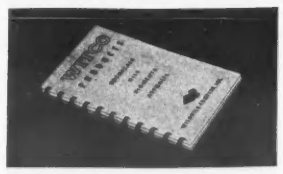
The chances are that your product became successful because it offered something new . . . something more than the run-of-the-mill products in its field.

Perhaps you have introduced a number of such products and watched them grow in popularity because of the special advantages they offered.

If you have, you know that few such products—no matter how good they are—maintain their lead unless they are constantly improved. Competition has a way of catching up and forcing improvement.

Witco aims to keep its products continually ahead of the field by a broad program of research planned for years ahead and directed by a staff carefully chosen for their training in the field of chemicals, oils, pigments, asphalts and allied materials—and for their understanding of practical problems in the use of these materials. Witco has given this staff the best in the way of laboratory facilities—a modern, specially designed laboratory building housing the finest research, testing and analyzing equipment that can be obtained.

Perhaps this laboratory can help you improve your products through better basic materials. Our staff will be glad to work hand-in-hand with yours in the solution of problems regarding the improvement or use of your regular products or the development of new ones.



Complete, well tabulated information on products is valued by everyone who uses chemicals. Witco offers such information in this attractively bound book. How many copies can your company use?

WITCO

WISHNICK-TUMPEER, INC.
Manufacturers and Importers
New York, 295 Madison Avenue • Boston, 141 Milk Street
Chicago, Tribune Tower • Cleveland, 616 St. Clair Avenue, N.E.
Dallas, Texas, 610 Dallas National Bank Building • Witco Affiliates: Witco Oil & Gas Company • The Pioneer Asphalt Company • Panhandle Carbon Company • Harold Wilson & Witco, Ltd., Keysign House, 429 Oxford St., London, W.1, England
BUY DIRECT AND PROFIT DIRECTLY

Butyl, acetate, secondary, dms., c.l., frt. pd. E. of Miss. R., lb. .07½- —
dms., l.c.l., same terms..lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .22 - —
Crotonate, normal, 55-gal. dms., dlvd..lb. .25 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .22½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, comi., 16-34°, tanks, group 3..gal. .02½- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Cyanide, 25-lb. bots., dlvd....lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb bots.....lb. 4.19 - —
25-lb. cns.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .85 - —
ingots or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms..lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lb. cns.....lb. 2.70 - —
1,000 lbs. or more, 100 lb. dms, lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. dms.....lb. 2.75 - —
100 lbs. or more, 100 lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10 lb. cns..lb. 3.15 - —
5 lb. cns.....lb. 3.10 - 3.25
Citrated, bots.....lb. 2.30 - 2.35
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .30
Calamus root, peeled, N. F., cs., lb. .40 - .45
bleached, bls.....lb. 1.00 - 1.25
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l. .....lb. .06¾ - —
Southern cotton states, dms., cl..lb. .06 - —
l.c.l .....lb. .06¼- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse..100 lbs. 4.85 -
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-88%, dms., c.l., dlvd..ton.20.50 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .23 - —
Mandelate, dense, dms.....lb. 2.15 - 2.30
fluffy, dms.....lb. 2.00 - 2.15
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports. ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f., Atlantic ports, shipt..unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., 1 ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs.lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .65 - .72
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, powd., cs..lb. .82 - .83
slabs, cs.....lb. .82 - .83
tablets, tins.....lb. .87 - .88
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smallr lots, works.....lb. .41 - —
USP, or import, gran.,powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .0335- .0355
Morocco, bgs.....lb. .0360- .0390
Turkish, bgs.....lb. .0350- .0380
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.50 - 2.55
Capsicum (see Pepper, red).
Caraway, Dutch.....lb. .33 - .35
Russian .....lb. No stocks
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —

Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl (see Alcohol, isoamyl).
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.15 - 1.50
decorticated, cs.....lb. .80 - .82
green, bgs.....lb. .61 - .62
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .14 - .16
Case - hardening mixture, 30% lump, dms.. l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .12 - —
5 tons, works.....lb. .12½- —
smaller lots, works.....lb. .13 - —
80-100 mesh, bgs., c.l.....lb. .12½- —
5 tons, works.....lb. .13 - —
smaller lots, works.....lb. .13½- —
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .12 - —
80-100 mesh, bgs., c.l., duty paid..lb. .12½- —
French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .17¼- .17¾
No. 1, regular, bls.....lb. .16¾- .17¼
shortstick, bls.....lb. .12½- .13
broken, bls.....lb. .11¾- .12¼

Butyl Acetate—Cellulose

Cassia, China, rolls, select, bls., lb. .12¾- .13
broken, extra, bls.....lb. .10¾- .11¼
Saigon, No. 1, bls.....lb. .17¼- .17¾
10-6-2, bls.....lb. .17¾- .18¼
all thin, bls.....lb. .18½- .19
Cassia buds, cs.....lb. .13 - .13½
Cassia fistula, bskts.....lb. .16 - .18
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't., c&f, N.Y..ton.51.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .37 - .38
Indian .....lb. .18 - .18½
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —

STAUFFER
CHEMICALS
CARBON BISULPHIDE
A clear, water-white product testing 99.99% pure, Stauffer Carbon Bisulphide is one of a selected list of basic chemicals produced by Stauffer Chemical Company. Prompt deliveries can be made in any quantity from five-gallon drums to fifty-ton tank cars from strategically located plants, serving the Chemical Industry from coast to coast.
OTHER STAUFFER PRODUCTS
BORIC ACID : CARBON TETRACHLORIDE : BORAX : TITANIUM TETRACHLORIDE : SULPHUR CHLORIDE : SILICON TETRACHLORIDE : CREAM OF TARTAR : SULPHURIC ACID : TARTARIC ACID : WHITING LIQU CHLORINE : CAUSTIC SODA : TEXTILE STRIPPER : SULPHUR
Stauffer
Stauffer Chemical Co.
420 LEXINGTON AVE., NEW YORK, N. Y.
230 NO. MICH. AVE., CHICAGO, ILL.
624 CALIFORNIA ST., SAN FRANCISCO, CAL.
555 SO. FLOWER ST., LOS ANGELES, CAL.
424 OHIO BUILDING, AKRON, OHIO
FREEPORT, TEXAS APOPKA, FLORIDA

Cellulose—Cottonseed

Cellulose, acetate, butyrate, medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld. lb. .43 - —
1,000-4,900 lbs., frt. alld. lb. .44 - —
100-900 lbs., frt. alld. lb. .45 - —
smaller pkg., works lb. .46 - —
Acetate - propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld. lb. .46 - —
100-900 lbs., frt. alld. lb. .47 - —
smaller pkg., works lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld. lb. .41 - —
1,000-4,900 lbs., frt. alld. lb. .42 - —
100-900 lbs., frt. alld. lb. .43 - —
smaller pkg., works lb. .44 - —
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .48 - —
1,000-4,900 lbs., frt. alld. lb. .44 - —
100-900 lbs., frt. alld. lb. .45 - —
smaller pkg., works lb. .46 - —
Triacetate, flake, frt. alld. lb. .30 - —
Cerium hydrate, dms., works lb. .60 - —
oxalate, USP, bbls., works lb. .33 - —
kgs., works lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs. lb. .85 - .90
Roman, bls. lb. 2.00 Nom.

Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va. ton. 35.40 - —
Colo. ton. 32.00 - —
Conn., Me., Mass., N. H., R. I., Vt. ton. 35.80 - —
Ill. (except river point), Minn., Neb., Wis. ton. 27.00 - —
Indiana ton. 31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia. ton. 25.00 - —
Kansas, El Paso, Tex. ton. 26.00 - —
Michigan ton. 32.80 - —
Ohio ton. 32.80 - —
Penn ton. 34.80 - —
Utah ton. 36.00 - —
Willow, powd., bbls. lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works lb. .02½- —
l.c.l., bbls., works lb. .02¾- —
tanks, works lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works ton. 9.50 - —
l.c.l., works ton. 10.00 -16.00
bulk, c.l., works ton. 7.60 - —
200 mesh, bgs., c.l., works, ton. 8.50 - —
l.c.l., works ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works ton. 9.50 - —
paper bgs., c.l., works, ton. 12.50 - —

China clay, import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila. ton. 18.00 -25.00
powd., cks., l.c.l., ex whse. ton. 45.00 - —
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs. lb. .96 - 1.05
100 lbs. lb. .98 - 1.07
23 lbs. lb. 1.00 - 1.09
1-10 lbs. lb. 1.05 - 1.12
dms., 1,000 lbs. lb. .90 - —
500 lbs. lb. .93 - —
100 lbs. lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works lb. .32 - —
100 lbs., ctns. lb. .35 - —
smaller lots lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N. Y. lb. .05¼- —
contracts, dlvd., N. Y. lb. .05¼- —
l.c.l., dlvd., N. Y. lb. .07¼- —
tanks, single unit, works, frt. equald. 100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt. equald. 100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms. lb. .20 - —
100-lb. dms. lb. .22 - —
50-lb. dms. lb. .23 - —
USP, 650-lb. dms. lb. .30 - —
100-lb. dms. lb. .32 - —
50-lb. dms. lb. .33 - —

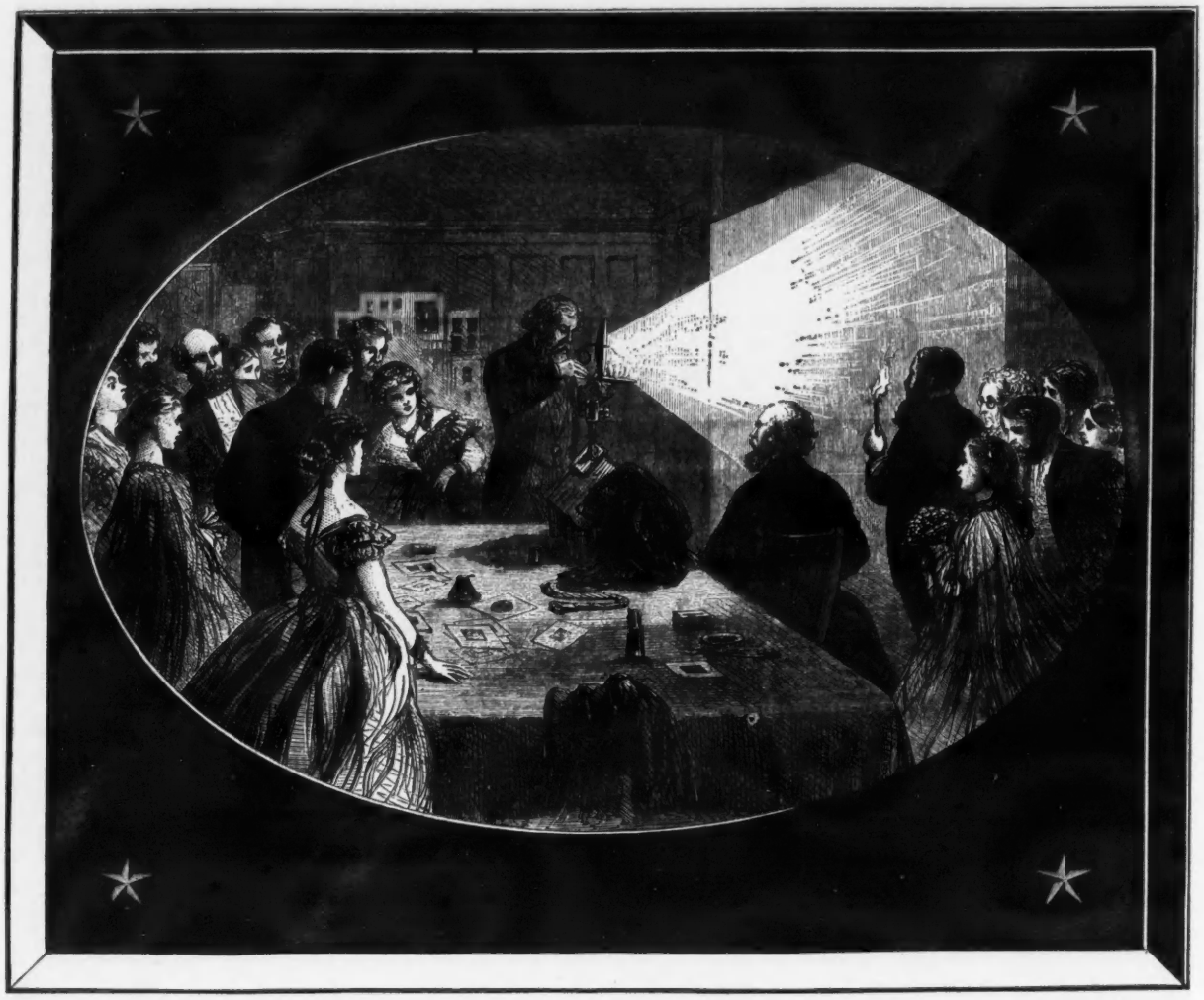
Chloropicrin, com'l, 180-lb. cyls., works lb. .80 - —
100-lb. cyls., works lb. .85 - —
5-25-lb. cyls., works lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., dlvd. lb. .13½- —
solut. 8½%, ca., bbls. lb. .05¾- —
Cake, bulk, c.l., works ton. 16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs. lb. .45 - —
scale, dms., 100 lbs. lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot. lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs. lb. .75 - .80
20 in., thick, cs. lb. .75 - .80
20 in., medium, cs. lb. .75 - .80
USP, broken quill, red, bgs., lb. .21 - .23
yellow, bgs. lb. .21 - .23
Cinchonidine, small crys., cns., 100 ozs. oz. .89 - —
Sulphate, N.F., cns. 100 ozs. oz. .53 - —

Cinchonidine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs. oz. .62 - —
large cryst., cns. 100 ozs. oz. .66 - —
Sulphate, N.F., cns. 100 ozs. oz. .42 - —

Cinchonine buyers must pay a surcharge of 7c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.40 - —
1 and 5-lb. bots. lb. 3.50 - 3.55
100 lbs., dms. lb. 3.30 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys. lb. .85 - .90
Cinnamon, Ceylon, 2 bls. lb. .16¾- .17½
3 bls. lb. .16 - .16½
Citral, bots., cns. lb. 1.40 - 3.10
Citrine ointment, jars lb. .95 - .97
Citronellal, bots., dms. lb. .75 - .80
Citronellol, bots., dms. lb. 1.60 - 1.85
Clove, Amboyna, bgs. lb. .24½- .25
Madagascar lb. .16¼- .16½
Zanzibar lb. .16¼- .16¾
Clover tops, red, bgs. lb. .35 - .40
dom., bgs. lb. .33 - .35
Coaltar, coal-gas, crude, bbls., c.l., works bbl. 7.50 - 7.75
l.c.l., works bbl. 8.25 - 8.50
tanks, works gal. .07½- .09
refd., bbls., c.l., works bbl. 8.00 - 8.25
l.c.l., works bbl. 8.75 - 9.00
tanks, works gal. .08½- .10
water-gas, crude, dms., c.l., works dm. 7.50 - —
l.c.l., works dm. 8.25 - —
refd., dms., c.l., works dm. 8.00 - —
l.c.l., works dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .80½- —
Carbonate, powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works lb. .85 - —
Hydrate, bbls. lb. 1.98 - —
Linoleate, paste, 5%, dms. lb. .31 - —
solid, 8½%, bbls. lb. .33 - —
Oleate, bbls. lb. .25 Nom.
Oxide, black, kgs. lb. 1.84 - —
Resinate, fused A, bbls. lb. .13½- —
1 %, bbls. lb. .13 - —
2 %, bbls. lb. .14 - —
3½%, bbls. lb. .17½- —
precip., dms., dlvd. lb. .34 - —
Sulphate, dms. lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns. oz. 9.75 - —
Cochineal, gray, bgs. lb. .37 - .38
Teneriffe, silver, bgs. lb. .38 - .39
Cocoa butter, bulk, c.l., bgs. lb. .1040- —
Cocillana bark, bgs. lb. .25 - .30
Codeine, cns., 100 ozs. oz. 11.70 - —
Hydrochloride, cns., 100 ozs. oz. 10.50 - —
Phosphate, cns., 100 oz. oz. 9.00 - —
Sulphate, cns., 100 ozs. oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls. lb. .07 - .08
Blue, root, bls. lb. .07 - .08
Colchiane, bots., cns. oz. 20.00 -25.00
Colchicum seed, bgs. lb. 1.05 Nom.
Collodion, USP, dms., 325 lbs. lb. .12½- —
cns., 25 lbs. lb. .16 - —
flexible, USP, dms., 325 lbs. lb. .14½- —
cns., 25 lbs. lb. .18 - —
Colocynth pulp, bls. lb. .55 - .56
Colombo root, bls. lb. .15 - .16
Coltsfoot leaves, bgs. lb. .25 - .27
Condurango bark, bgs. lb. .11 - .12
Conium leaves, bls. lb. .30 - .32
Copaiba balsam, Para, cns. lb. .25 - .26
S.A., USP, cns. lb. .27 - .28
Copper acetate, normal, bbls., dlvd. lb. .22 - —
smaller containers, dlvd. lb. .24 - —
Carbonate, 52-54%, bbls. lb. .16½- —
Chloride, cryst., bbls. lb. .16 - —
Cyanide, tech., bbls. lb. .34 Nom.
odide, bots. lb. 5.15 - 5.19
Metal, electrolytic lb. .12 - —
Nitrate, cryst., bbls. lb. .16¼- —
Oleate, precip., bbls. lb. .20 - —
Oxide, black, 79-80%, bbls., tons, works lb. .18 - —
Red, com'l, 80-88%, kgs., f.o.b. N.Y. lb. .19¼- —
Resinate, precip., bbls. lb. .15 - .16
Sulphate, 99% cryst., bbls., c.l., f.o.b. works 100 lbs. 4.75 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 - —
6-15 bbls., same basis, 100 lbs. 5.10 - —
1-5 bbls., same basis, 100 lbs. 5.35 - —
monohydrated, dms., c.l., dealers, f.o.b. works 100 lbs. 9.30 - 9.55
l.c.l., dealers 100 lbs. 10.30 -10.55
Copperas, cryst., gran., bgs., c.l., works ton. 18.00 - —
bbls., c.l., works ton. 20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
5-24, works 100 lbs. 1.65 - —
1-4, works 100 lbs. 2.09 - —
bulk, c.l., works ton. 14.00 - —
Copra, Coast, shipt. lb. .0150 Nom.
Coriander, bgs. lb. .08¾- .09¼
bleached, bgs. lb. .09½- .10
Corn sugar, tanners', chipped, bgs., c.l., dlvd. 100 lbs. 3.39 - —
slabs, bbls., c.l. 100 lbs. 3.31 - —
solid, bbls., c.l. 100 lbs. 3.43 - —
Syrup, 42°, bbls., c.l. 100 lbs. 3.42 - —
43°, bbls., c.l. 100 lbs. 3.47 - —
Cornsilk, bls. lb. .15 - .16
Corrosive sublimate, cryst., dms., 50 lbs. or more lb. 2.19 - —
gran., powd., dms., 50 lbs. or more lb. 2.04 - —
Cottonroot bark, bls. lb. .10 - .11
Cottonseed, hull ash, 32-36%, not-ash, bgs., dlvd., unit-ton. 1.10 - —
meal, 8%, Southeast, mills ton. 27.50 -28.00



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THE MEN who devoted their efforts to forwarding the science of photography—from its rudimentary beginning in the *camera obscura* in 1569 to its highly developed form today—made striking contributions both to human happiness and to industrial progress. Photography today is a hobby that has brought greater pleasure to millions of people—and through the medium of the motion picture it entertains countless millions more. It is the foundation of giant industries, and its use has opened new fields of knowledge for almost every other industry. High-speed photography to study the motion of machines, microphotography and X-ray photography—these are a few of its major industrial applications.

When EBG engineers first produced Liquid Chlorine commercially in this country, they too made a major contribution to human welfare and to industrial development. New safeguards against the danger of waterborne diseases were made possible by the use of EBG Liquid Chlorine to purify the water supplies of hundreds of communities. Today EBG Liquid Chlorine is rapidly expanding its usefulness in the field of sewage sterilization, and thus is helping to combat pollution of streams and rivers. And both the paper and textile industries find in EBG Liquid Chlorine an efficient and economical bleaching agent.

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Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 dms., cns.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .10 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .34¼- —
smaller lots, bbls.....lb. .34¾- —
kgs. .....lb. .35¼- —
Creosote, beechwood, bots.....lb. No prices
hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.90 - 2.20
Oil, crude, tanks, works...gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .09¾- —
l.c.l., same basis.....lb. .10¼- —
special resin grade, dms., c.l., works..lb. .08¾- —
l.c.l., same basis.....lb. .09¼- —
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .25
2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .26 - .27
200 lbs. to 1,000 lbs.....lb. .27 - .28
4% rotenone prices are 4c. per lb less.

Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs.....lb. .35 - .40
powd., cs.....lb. .40 - .45
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .21¾- .22¼
Cyprus, bgs.....lb. .21¾- .22¼
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04½- —
Cyanamide, 22% N, pulv., bgs., dlvd. ,contracts, N...unit-ton. 1.40 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., dlvd. lb. .17 - —
Cyclohexanol, 98-100%, dms., dlvd..lb. .26 - —
Cyclohexanone, 98-100%, dms., dlvd..lb. .40 - —

D

Damiana leaves, bls.....lb. .17 - .24
Dandelion root, German, bls...lb. .70 - .75
Decanol, normal, tech., 360 lbs. dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .12 - .14
Degras common, dom., bbls...lb. .08 - .08½
neutral, dom., bbls.....lb. .13½- .16½
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y., frt. equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .26
2,000 lbs. to 10,000 lbs.....lb. .26 - .30
1,000 lbs. to 2,000 lbs.....lb. .28 - .32
200 lbs. to 1,000 lbs.....lb. .30 - .34
4% rotenone prices are 6c. per lb. less.

Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk, cns....lb. 2.25 - 3.25
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.05 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.00 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.75 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.95 - —
Potato, import, bgs.....lb. No stocks
Diacetone (see under Alcohol).
Diacetyl, bots.....lb.10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works.lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., bgs., l.c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -50.00
import, bgs., c.l., c.i.f.....ton. No prices
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .51 - .53
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½- .25¼
Sebacate, dms., works.....lb. .50 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (See Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221- —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylcarbonate, coml., dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Oxalate, dms., l.c.l., dlvd....lb. .27 - —
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylaniline, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½- —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works..lb. .22½- .24½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .35 - .40
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works.lb. .19 - —
Dillseed, recleaned, bgs.....lb. .11½- .12
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylaniliin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvdlb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls., 80° min..lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oilly, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld.....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (,see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns....lb. .50 - .55
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Doggrass root, cut, N.F., bls..lb. .55 - .60
Dogwood bark, Jamaica, bls.lb.lb. .08 - .10
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.05

Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1 cns..lb.13.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
FD&C green, No. 2, cns....lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
Green, FD&C green, No. 1, cns. lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns...lb. 2.65 - —
FD&C yellow, No. 4, cns...lb. 2.65 - —
FD&C yellow, No. 5, cns...lb. 3.15 - —
FD&C yellow, No. 6, cns...lb. 3.15 - —

Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns. lb.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
D&C orange, No. 11, cns...lb.17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 3, ons....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —

Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns. lb.12.35 - —
Green, Ext.D&C green, No. 1, cns..lb.12.35 - —
Red, Ext.D&C red, No. 1, cns..lb.10.35 - —
Ext.D&C red, No. 3.....lb.21.35 - —
Ext.D&C red, No. 8.....lb. 7.85 - —
Ext.D&C red, No. 10, cns..lb.12.35 - —
Ext.D&C red, No. 13, cns..lb.12.35 - —
Yellow, Ext.D&C yellow, No. 1, cns..lb. 8.35 - —

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B...lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 3B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble). lb. .35 - .50
1177 **Indigo**, 20 p.c. paste..lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
863 Nigrosin derivatives..lb. .38 - .62
Blue:—
1075 Alizarin astrol base...lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Orange, red shade....lb. .75 - —
Red:—
73 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .38 - .44
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base..lb. 2.00 - —
Orange:—
20 Chrysoldin G.....lb. .95 - —
21 Chrysoldin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS....lb. 2.00 - —
Violet:—
680 Methyl violet base....lb. .85 - —

Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B....lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y.....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G....lb. .40 - .52
332 Bismarck brown R....lb. .50 - .52
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoldin G.....lb. .40 - —
21 Chrysoldin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
51 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX...lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M....lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S....lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow...lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .59 - .61
imported .....lb. .52 - .57
Elder flowers, bright, bls.....lb. .50 - .55
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, sts.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.24.00 -28.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, tins, 1,000 ozs.....oz. .85 - —
tins, 100 ozs.....oz. .95 - —
Hydrochloride, tins, 1,000-oz lots..oz. .65 - —
tins, 100-oz. lots.....oz. .75 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .65 - —
tins, 100-oz. lots.....oz. .75 - —

Coumarin—Fluorspar

Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 1.70 - 1.75
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.36.00 - —
Sulphate, bots.....oz.36.00 - —
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 160 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works....lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07 - —
l.c.l., frt. alld.....lb. .07½- —
tanks, frt. alld.....lb. .06 - —
95-98%, dms., c.l., frt. alld.lb. .07¼- —
l.c.l., frt. alld.....lb. .07¾- —
tanks, frt. alld.....lb. .06¼- —
N.F., 460-lb. dms.....lb. .09½- —
cns., 35 lbs.....lb. .14 - —
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55-gal. dms., dlvd., lb. .35 - —
1-gal. cns.....lb. 1.00 - —
5 and 10-gal. dms., dlvd....lb. .75 - —
Formate, cns., dms.....lb. .25 - .29
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works.lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots, cns.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
500 lbs. or more, frt. alld., lb. .47 - —
500 lbs. or more, frt. alld.lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0695- —
West of Rockies, same basis..lb. .0644- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0694- —
West of Rockies, same basis..lb. .0743- —
Ethyleneglycol, dms., c.l.....lb. .14¼- —
l.c.l. .....lb. .15¼- .18¼
tanks .....lb. .13¼- —
Monobutylether, dms., c.l.,works, lb. .16¼- —
l.c.l., works.....lb. .17¼- .20¼
tanks, works.....lb. .15¼- —
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- .18¼
tanks, works.....lb. .13¼- —
Monoethylether, acetate, dms., c.l., works..lb. .11¼- —
l.c.l., dms.....lb. .12¼- .15¼
tanks, works.....lb. .10¼- —
Monomethylether, dms., c.l., works..lb. .15¼- —
l.c.l., works.....lb. .16¼- —
tanks, works.....lb. .14¼- —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .78 - .80
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .08 - .09

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons..ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. .16 - .16½
Indian, bgs.....lb. .13½- .14
French, bgs.....lb. .35 Nom.
German, large, bgs.....lb. .33 Nom.
Roumanian, bgs.....lb. .14 - .14½
Fenugreek seed, bgs.....lb. .04¼- .04½
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .13 - —
smaller lots, works...lb. .14 - —
light, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .15 - —
smaller lots, works....lb. .16 - —
Fir balsam, Canada, cns.....gal.16.00 -16.50
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .15 - .17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures...unit-ton. 3.25 & .10
bgs., f.o.b. Balto....ton.50.00 - —
6-7% ammon., 8% phosphor. acid, bulk, So. Atlantic factories, contracts....unit-ton. 2.50 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Oct. shipt..ton.51.00 Nom.
spot...ton.51.00 Nom.
Flake white, dom., bbls.....lb. .08¾- —
kegs .....lb. .10¾- —
Fleaseed, French, black, bgs...lb. .45 - .46
Indian, blonde, bgs.....lb. .09 - .10
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.29.00 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton.18.50 -19.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.18.50 - 19.00
imported, 85.5, duty paid, short ton. No prices

Formaldehyde—Irish Moss

Formaldehyde, bbls., c.l., works, lb. .0350- —
l.c.l., works .06 - —
dms., c.l., works .0515- —
l.c.l., works .0565- —
tanks, works .04 - —
Fringetree bark, bls. .14 - .15
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines...ton.15.00 - —
import, bgs., c.l., ex dock..ton. No prices
l.c.l., ex whse. ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works .17½- .25
tech., dms., contracts, 150,000 lbs. .10 - —
c.l., works .12½- —
l.c.l., works .15 - .20
tanks, works .09 - —
Fusel oil, refd., dms. incl., dlvd., lb. .16 - .17½
Fustic extract, cryst., bbls. .24 - .25
liquid, bbls. .10½- .14
solid, dms. .19 - .21

G

G salt, bbls. .45 - —
Galangal root, bls. .11 - .12
Gambier, common, cases. .06½- .07
plantation, cases. .10 - .10¼
Cubes, Singapore, cases. .08¼- .08¾
extract, bbls. .09½- .12
Gasoline at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .05 - .05¾
65 octane and above, tanks, gal. .06 - .06½
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .13½- —
Gulf Coast, US Motor, bulk, gal. .05¼- —
60-62, 390 e.p., bulk, export, gal. .05¼- —
63-67, 375 e.p., bulk, export, gal. .05½- —
70-72, 400 e.p., bulk, export, gal. .06 - —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04¼- .04⅝
63-66 octane, tanks. gal. .04¼- .04½
67-69 octane, tanks. gal. .04½- .04⅝
72-74 octane, tanks. gal. .04⅝- .05
Oklahoma-Texas, US motor, 62 octane and below, tanks.gal. .03½- .04
third grade, tanks. gal. .03½- .04
63-66 octane, tanks. gal. .03⅝- .04½
67-69 octane, tanks. gal. .03⅝- .04
70-72 octane, tanks. gal. .04¼- .04½
natural, 18-55, tanks. gal. .02 - .02½
26-70, tanks. gal. .01¾- .02
Gelatine, silver, cs. lb. .42 - .43
Gelsemium root, bls. lb. .14 - .15
Gentian root, bls. lb. .26 - .27
grd., bbls., bxs. lb. .30 - .31
powd., bbls., bxs. lb. .31 - .32
Geraniol, cns., dms. lb. .60 - 3.00
Ginger, African, No. 1, bgs..lb. .07½- .07¾
Cochin, lemon, bgs. lb. .10 - .10½
Jamaica, bold, bgs. lb. .12½- .13
medium, bgs. lb. .11 - .11½
grinding, bright, bgs. .09½- .10
Japanese, bgs. lb. No stocks
Ginseng root, wild Southern, cs., lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.18
5 tons or over, works, 100 lbs. 1.05 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs. 100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .13½- —
l.c.l., dlvd. lb. .14 - —
36/58 bgs., c.l., dlvd. lb. .13 - —
l.c.l., dlvd. lb. .13½- —
38/82, bgs., c.l., dlvd. lb. .14½- —
l.c.l., dlvd. lb. .15 - —
82/108 millipoise, bgs., c.l., dlvd..lb. .15 - —
l.c.l., dlvd. lb. .15½- —
58 millipoise, 135 jellygrams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis. lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis. lb. .17 - —
l.c.l., same basis. lb. .18 - —
hide, calcimine type, 75/222, bgs., c.l., same basis..lb. .20½- —
l.c.l., same basis. lb. .21½- —
88/251, bgs., c.l., same basis, lb. .21½- —
l.c.l., same basis. lb. .22½- —
92/283, bgs., c.l., same basis, lb. .22½- —
l.c.l., same basis. lb. .23½- —
102/315, bgs., c.l., same basis..lb. .23½- —
l.c.l., same basis. lb. .24 - —
118/347, bgs., c.l., same basis..lb. .24 - —
125/379, bgs., c.l., same basis..lb. .25 - —
l.c.l., same basis. lb. .26 - —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, CP, cns., l.c.l. lb. .14½- .15
dms., c.l., dlvd. lb. .12½- —
l.c.l., dlvd. lb. .13 - —
tanks, dlvd. lb. .12¼- —
dynamite, dms. Nominal
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd. lb. .12½- —
tanks, dlvd. lb. .11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd.lb. .09½- —
l.c.l., same basis. lb. .10½- —
tanks lb. .08½- —
for refiners, dms., returnable, tanks, dlvd..lb. .08⅛- .08¾
soapiye, basis 80%, dms., tanks, returnable, dlvd..lb. .07⅛- .07⅝
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms. lb. .22 - —
Phthalate, dms. lb. .38 - —
Stearate, dms. lb. .26 - —
Gold, U.S. purchase price. oz.35.00 - —
Chloride, acid brown, bots. oz.20.75 -21.00
yellow, bots. oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots. oz.14.50 -14.75
Gold of pleasure, seed, bgs. lb. .15 - .15½
Goldenseal, root, bls. lb. 2.75 - 2.85
powd., bxs. lb. 3.05 - 3.15
Grains of paradise, bgs. lb. .46 - .48
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works. lb. .06¼- —
l.c.l., works. lb. .06½- —
Graphite, amorph., powd., 90%, 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works. lb. .02¾- —
l.c.l., works. lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works. lb. .03¾- —
l.c.l., works. lb. .04½- —
Grease, house, loose. lb. .03⅞ Nom.
white lb. .04¼ Nom.
yellow lb. .03⅞ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis, lb. .06¾- —
11-13%, bbls., same basis, lb. .07¼- —
14-16%, bbls., same basis, lb. .07½- —
17-19%, bbls., same basis, lb. .07¾- —
20-21%, bbls., same basis, lb. .08 - —
22-23%, bbls., same basis, lb. .08¼- —
24-25%, bbls., same basis, lb. .08½- —
26-27%, bbls., same basis, lb. .08¾- —
28-29%, bbls., same basis, lb. .09¼- —
30-31%, bbls., same basis, lb. .10 - —
32-33%, bbls., same basis, lb. .11¼- —
34-35%, bbls., same basis, lb. .12¼- —
36-40%, bbls., same basis, lb. .14¼- —
41-45%, bbls., same basis, lb. .16¼- —
46-50%, bbls., same basis, lb. .16⅝- —
51-55%, bbls., same basis, lb. .17¼- —
56-60%, bbls., same basis, lb. .17⅞- —
61-65%, bbls., same basis, lb. .18¼- —
66-70%, bbls., same basis, lb. .19¼- —
71-75%, bbls., same basis, lb. .20¼- —
Oxide, dom., pure, bbls. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works. lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls. .88 - —
Paris (see P).
Tungstated, brilliant, kgs. lb. 3.50 - —
emerald, kgs. lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls. .09 - .10
Guaiac resin, cs. .30 - .35
strained, cs. .80 - .85
Wood, bls. .04 - .05
Guaiacol, liq., dms. lb. 1.65 - 1.67
Carbonate, fib. dms., 25 lbs. lb. 2.40 - 2.74
Guarana powd., cs. lb. 1.20 - 1.25
Gum, aloe (see A).
Ammoniac, tears, cs. lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs. lb. .14 - .15
white, sorts, 1, bgs. lb. .35 - .36
powd., bbls. lb. .18 - .20
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs. lb. 2.00 - 3.00
Sumatra, cs. lb. .21 - .22
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. No prices
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices on 30,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
Copal, Congo, 2, water white, bgs., c.l., same basis.lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis.lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22¾- —
6, pale amber bold, bgs.. c.l., same basis..lb. .21¼- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis.lb. .13⅞- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13⅝- —
11, hard dark amber bold, bgs., c.l., same basis.lb. .12⅜- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11⅞- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23⅜- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10⅜- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18⅝- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18⅝- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12⅜- —
Gum, copal, congo, 22, small mixed nubs, bgs., c.l., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11⅞- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17⅜- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale small nubs, c.l., same basis..lb. .10⅜- —
27, pale small nubs., bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold, scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .06 - —
chips, bgs., c.l., same basis. lb. .05¼- —
dust, bgs., c.l., same basis, lb. .05⅛- —
nubs and chips, bgs., c.l., same basis..lb. .05⅛- —
black, bold, scraped, bgs., c.l., same basis..lb. .08¾- —
unscraped, bgs., c.l., same basis..lb. .05⅜- —
nubs and chips, bgs., c.l., same basis..lb. .06½- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .12⅜- —
chips, bgs., c.l., same basis, lb. .06⅜- —
dust, bgs., c.l., same basis. lb. .05¼- —
nubs, bgs., c.l., same basis..lb. .10½- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15⅜- —
chips, bgs., c.l., same basis, lb. .08½- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .13⅞- —
light, bskts., c.l., same basis..lb. .15⅜- —
Loba A, bskts., c.l., same basis..lb. .11⅜- —
B, bskts., c.l., same basis. lb. .11⅜- —
C, bskts., c.l., same basis, lb. .11¼- —
CNE, bskts., c.l., same basis..lb. .08½- —
D, bskts., c.l., same basis. lb. .12⅞- —
DK, bskts., c.l., same basis. lb. .08 - —
dust, bskts., c.l., same basis..lb. .06 - —
Sambas and white split chips, bskts., c.l., same basis, lb. .15⅜- —
Singapore, dust, bskts., c.l., same basis..lb. .06 - —
spirit-soluble, CBB, bskts., basis..lb. .10⅜- —
DBB, bskts., c.l., same basis. lb. .10 - —
MA, bskts., c.l., same basis. lb. .07⅜- —
MB, bskts., c.l., same basis. lb. .07¼- —
WS, bskts., c.l., same basis..lb. .10 - —
A/D, cs., c.l., same basis.lb. .13⅞- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .08 - —
chips pale, bskts., c.l., same basis..lb. .11⅜- —
pale, small, bskts., c.l., same basis..lb. .09 - —
extra pale sorts, bskts., c.l., same basis..lb. .10½- —
nubs, bskts., c.l., same basis..lb. .13½- —
pale, scraped, bskts., c.l., same basis..lb. .14⅜- —
seeds and dust, bskts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine, bgs., same basis..lb. .15⅜- —
mixed, bgs., c.l., same basis. lb. .14⅜- —
split, bgs., c.l., same basis. lb. .13⅜- —
chips, bgs., c.l., same basis.lb. .10 - —
nubs, bgs., c.l., same basis. lb. .12⅜- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21⅜- —
A/C, cs., c.l., same basis.lb. .15¼- —
A/E, cs., c.l., same basis.lb. .12⅞- —
B, cs., c.l., same basis..lb. .20¼- —
C, cs., c.l., same basis..lb. .14⅝- —
D, cs., c.l., same basis..lb. .13¼- —
dust, cs., c.l., same basis.lb. .07⅝- —
E, cs., c.l., same basis..lb. .10 - —
F, cs., c.l., same basis..lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .16⅝- —
2, cs., c.l., same basis....lb. .12¼- —
3, cs., c.l., same basis.....lb. .07¼- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07¼- —
seeds, cs., c.l., same basis.lb. .09¾- —
Elemi, cns., c.l., same basis as copal..lb. .08½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del. and Md. 75,000 lbs., contrs. or single shipt., 10,000 lbs. lb. .06¼- .06⅝
less than 10,000 lbs., same basis..lb. .06½- .07
dlvd., Western N.Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight c.l. lb. .06¾- .07
dlvd. elsewhere, 75,000 lbs., contrs. or straight c.l.....lb. .07 - .07⅛
l.c.l. same basis. lb. .07¼- .07⅝
Euphorbium, cs. lb. .50 - .55
Galbanum, cs. lb. 1.50 - 1.60
Gamboge, pipe, cs. lb. .75 - .80
powd., bbls. lb. .80 - .85
Ghatti, soluble, bgs. lb. .11 - .15
superior, bgs. lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms. lb. .14 - .33
Kauri, brown, XXX, cs., c.l. lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins. lb. 4.00 - 4.50
Locust bean, powd., bbls. lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. 2.25 - 2.50
Myrrh, USP, cs. lb. .55 - .60
Olibanum, siftings, cs. lb. .09 - .10
tears, cs. lb. .20 - .35
Opium (see O).
Rosin (see R).
Gums, sandarac, cks., c.l., same basis as copal..lb. .45 - .50
Scammony, cs. lb. 1.10 - 1.15
Talha, bgs. lb. .14 Nom.
Thus, bbls. 280 lbs.15.00 -15.25
Tragacanth, Alleppo, 1 cs. lb. 3.50 - 3.75
2 cs. lb. 3.35 - 3.60
3 cs. lb. 2.90 - 3.10
Yacca, bgs. lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
plaster of Paris, paper bgs., c.l., f.o.b. Blue Rapids, Kans., frt.equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bags, c.l., f.o.b. Acme, Tex.; Akron, N.Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southerd, Okla.; Sweetwater, Tex., frt. equald., ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton.12.00 - —
import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs. lb. .26 - .28
Heliotropin, cryst., cns. lb. 3.00 - 3.20
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls. lb. .55 - .60
Hematine crystals, bbls. lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¼- —
l.c.l., bbls., works. lb. .03⅜- —
tanks, works. lb. .02¾- —
Hempseed, Manchur., bgs. lb. .06½- .07¼
Henbane leaves, bls. lb. 1.65 Nom.
Henna leaves, bls. lb. .19 - .20
powd., bbls., bxs. lb. .28 - .29
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3. gal. .16 - —
tanks, Group 3. gal. .08½- —
normal, 86-100°, dms., c.l., Group 5..gal. .11½- —
l.c.l., Group 3. gal. .17 - —
tanks, Group 3. gal. .09½- —
Hexaldehyde, normal, dms., l.c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis. lb. .40 - —
Hexane, normal, 60-70°C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3. gal. .17 - —
tanks, Group 3. gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3. gal. .25 - —
Hexanol, dms., l.c.l., works....lb. .25 - —
Homatropine hydrobromide, bots., 25 ozs..oz.13.00 -13.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.00 - 2.50
Hops, N.F., bls. lb. .20 - .21
Horehound, bls. lb. .12 - .13
Hydrangea root, bls. lb. .08 - .09
Hydrastine, both, 4 ozs. oz.20.00 - —
Hydrochloride, bots., 4 ozs. oz.20.00 - —
Sulphate, bots., 4 ozs. oz.21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works. lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River; West Coast via Panama canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms., lb. .90 - .94
Hydroxycitronellal, cns. lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.65.00 -75.00
Hydrochloride, bots. oz.65.00 -75.00
Hyoscyamine, 5 gr., bots. bot. .60 - —
Hydrobromide, 5 gr., bots..bot. .60 - —
Sulphate, 5 gr., bots. bot. .60 - —
Hypernic, ext. liquid, 50°, bbls., lb. .14 - —

I

Ireland moss, bls. lb. .25 - .27
Ichthyol, bots. lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs. lb. 1.63 - 1.67
synth., liq., bbls. .16½- .19
powd., bbls. .74½- .85
Indol, CP, bots. lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs. lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs. lb. 1.85 - —
jars, 50 lbs. lb. 1.75 - —
tincture, USP, bbls., 47 gals..gal. 2.00 - —
cbys., 5 gals. gal. 2.05 - 2.10
mild, bbls., 47 gals. gal. 1.25 - —
cbys., 5 gals. gal. 1.30 - 1.35
Iodoform, dms., 100 lbs. lb. 3.95 - 4.10
jars lb. 4.20 - —
Ionone, alpha, bots. lb. 2.75 - 2.80
extra, bots. lb. 3.75 - 3.80
beta, bots. lb. 3.10 - 3.15
beta, bots. lb. 3.90 - 3.95
Ipecac root, bgs. lb. 1.30 - 1.25
powd., bxs. lb. 1.35 - 1.40
Irish moss, ordinary, bls. lb. .22 - .25
powd., 80-90 mesh, bbls. lb. .32 - .35
prime, bleached, bls. lb. .30 - .32

Iron acetate, N. F., IV, 100-lb. cbys.	lb.	.13	—
djns., 50 lbs.	lb.	.16	—
liquor, bbls., c.l., dlvd.	lb.	.03	—
l.c.l., dlvd.	lb.	.04	—
Chloride (ferric), tech., anhydr., 390-lb. dms.	100 lbs.	4.65	- 6.25
150-lb. dms.	100 lbs.	5.00	- 6.00
cryst., bbls., works, frt. alld. or equald.	lb.	.05	- .06
kegs, works, frt. alld. or equald.	lb.	.07½	- .08
liquor, cbys., works, frt. alld. or equald.	lb.	.05	- .06
USP X, cryst., bbls.	lb.	.07½	—
kegs	lb.	.08½	—
solut., cbys., works, frt. alld. or equald.	lb.	.06½	- .07
djns.	lb.	.07½	—
Citrate, USP VIII, pearls.	lb.	.72	- .75
powd., cns.	lb.	.84	- .87
scales, cns.	lb.	.77	- .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots.	lb.	3.15	—
smaller lots.	lb.	3.25	—
cns., 25 lbs.	lb.	3.37	—
Hypophosphite, cns.	lb.	1.55	- 1.60
Iodide, bots.	lb.	3.18	- 3.32
syrup, djns.	lb.	.39	—
bots.	lb.	.53	—
Oxalate, powd., kgs.	lb.	.47	—
cns.	lb.	.52	—
scales, cns.	lb.	.83	- .85
Oxide (see Black, Red, etc.).			
Phosphate, ferric, pearls, cns., 50 lbs.	lb.	.54	—
25 lbs.	lb.	.57	—
scale, cns., 50 lbs.	lb.	.59	—
25 lbs.	lb.	.62	—
ferrous, 200-lb. bbls.	lb.	.35	—
25-lb. bxs.	lb.	.40	—
100-lb. kgs.	lb.	.37	—
Pyrophosphate, pearls, cns.	lb.	.59	- .62
scales, cns.	lb.	.64	- .67
Reduced, 90%, cs.	lb.	.65	- .75
Sulphate, tech. (see Copperas and ferric sulphate).			
Sulphate, USP, cryst., 275-lb. bbls.	lb.	.04¼	—
dms., 100 lbs.	lb.	.06½	—
Iron-ammonia citrate, brown, gran., cns.	lb.	.35	- .38
pearls, cns.	lb.	.35	- .38
scales, cns.	lb.	.47	- .50
green, gran., cns.	lb.	.35	- .38
pearls, cns.	lb.	.35	- .38
scales, cns.	lb.	.47	- .50
Iron-ammonia oxalate, bxs.	lb.	.30	—
fib. dms.	lb.	.23½	—
kgs.	lb.	.25½	—
Iron-potash oxalate, bbls.	lb.	.42	—
kgs.	lb.	.44	—
jars	lb.	.48	—
Iron-soda oxalate, bxs.	lb.	.30	—
fib. dms.	lb.	.23½	—
kgs.	lb.	.25½	—
Isobutylacetate, 55-gal. dms., works.	lb.	.069	—
tanks, works.	lb.	.059	—
propionate, dms., works.	lb.	.09	—
Isopentane, 50-gal. dms., single. works.	gal.	.45	—
10-gal. dms., single, works.	gal.	.55	—
Isophorone, dms., works.	lb.	.25	—
Isopropanol (see Alcohol, isopropyl).			
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld.	lb.	.10½	—
55 gals., c.l., E. of Rockies, frt. alld.	lb.	.07	—
55 gals., l.c.l., E. of Rockies, frt. alld.	lb.	.07½	—
tanks, E. of Rockies, frt. alld.	lb.	.06	—
Alcohol (see Alcohol).			
Ether, dms., 5 gal., frt. alld.,	gal.	.55	—
55 gals., c.l., E. of Miss., frt. alld.	gal.	.35	—
55 gals., c.l., W. of Miss., frt. alld.	gal.	.39	—
l.c.l., E. of Miss., frt. alld.,	gal.	.44	—
tanks, E. of Miss., frt. alld.,	gal.	.25	—
W. of Miss., frt. alld.,	gal.	.29	—

J

Jaborandi leaves, bls.	lb.	.11	- .12
Jalap root, NF, bls.	lb.	.28	- .30
powd., bbls., bxs.	lb.	.30	- .32
resin, lump, 100-lb. lots, cns.	lb.	5.85	—
powd., bxs.	lb.	5.90	—
Juniper berries, ordinary, bgs.,	lb.	.45	- .50
hand picked, bgs.	lb.	.50	- .51

K

Kamala, tins	lb.	.33	- .35
Kaolin (see China clay).			
Kava kava root, bls.	lb.	.14	- .16
Kerosene, at refinery:—			
Bayonne, 41-43 w.w., tanks,	gal.	.0490	—
California (f.o.b. San Francisco), truck.	gal.	.11½	—
Gulf ports, p.w., bulk.	gal.	.07½	—
Louisiana - Arkansas, 41-43 w.w., bulk.	gal.	.03¾	- .04¼
Oklahoma-Texas, 41-43 w.w., tanks.	gal.	.03¾	- .03¾
42-44 w.w., tanks.	gal.	.03¾	- .04¼
Pennsylvania, 45 w.w., tanks,	gal.	.04¾	- .04¾
46 w.w., tanks.	gal.	.04¾	- .05
47 w.w., tanks.	gal.	.05	- .05½
Kerosene distillate (see Oil, furnice).			
Kieserite, cal., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd.	ton.	No prices	
Kola nuts, bgs.	lb.	.12	- .13

L

Lady slipper root, bls.	lb.	.36	- .37
Lanolin (see Adeps lanae).			
Lard, city, tubs.	100 lbs.	5.75	- 5.85
Middlewestern, trcs.	100 lbs.	5.20	- 5.30
Neutral, trcs.	100 lbs.	7.00	- 7.25
Western, choice, trcs.	100 lbs.	5.30	- 5.40
Compound, trcs.	100 lbs.	7.75	- 8.00
Larkspur seed, bgs.	lb.	1.15	- 1.20
Laurel berries, bls.	lb.	.25	- .26
Leaves, Greek, bls.	lb.	.08¾	- .09¼
Turkish, bls.	lb.	.08¾	- .09¼
Lavender flowers, ordinary, bls.	lb.	.45	- .50
medium, bls.	lb.	.55	- .60
select, bls.	lb.	.65	- .70
Lead acetate, white, broken, bbls.,	lb.	.11	—
cryst., bbls.	lb.	.11	—
gran., bbls.	lb.	.11¾	—
powd., bbls.	lb.	.11¾	—
Arsenate, bgs., c.l.	lb.	.08½	—
l.c.l., bgs.	lb.	.09	—

Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.

Lead, blue, basic sulphate, bbls., c.l., dlvd. E.	lb.	.06¼	—
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.06¼	—
l.c.l., dlvd. E.	lb.	.06½	—
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.	lb.	.07	—
Carbonate (see Lead, white).			
Chloride, pure, bots., 5 lbs.	lb.	.62	—
fib. dms., 25 lbs.	lb.	.40	—
Iodide, NF V, powd., 5-lb. bots.,	lb.	2.60	—
jars	lb.	2.55	—
Linoleate, pale, precip., dms.	lb.	.19	—
Metal (see daily quotations in market report).			
Metallic, paste, 200-lb. cont., f.o.b. works.	lb.	.10	—
5-lb. cont., f.o.b. works.	lb.	.22	—
Nitrate, bbls.	lb.	.11	- .14
Oleate, bbls.	lb.	.18½	- .20
Peroxide, powd., bbls., tech.	lb.	.23	—
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.	lb.	.08¼	—
other points.	lb.	.08	—
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash.	lb.	.08¾	—
Red, dry, 95% or less, Pb_3O_4, bbls., l.c.l., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.09¼	—
Colo., Mont., N. Mex., Wyo.	lb.	.09	—
other points.	lb.	.08½	—
smaller lots, Ala., etc.	lb.	.09¼	—
Ariz., etc.	lb.	.09¾	—
Colo., etc.	lb.	.09½	—
other points.	lb.	.09	—
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc.	lb.	.08½	—
other points.	lb.	.08¾	—
l.c.l., 5 tons, dlvd., Ala., etc.	lb.	.09	—
Ariz., etc.	lb.	.09½	—
Colo., etc.	lb.	.09¾	—
other points.	lb.	.08½	—
smaller lots, dlvd. Ala.	lb.	.09½	—
Ariz., etc.	lb.	.10	—
Colo., etc.	lb.	.09¾	—
other points.	lb.	.09¼	—
98%, Pb_3O_4, bbls., c.l. (20 tons, dlvd., Ala., etc.	lb.	.08¾	—
other points.	lb.	.08½	—
l.c.l., 5 tons, dlvd., Ala., etc.	lb.	.09¼	—
Ariz., etc.	lb.	.09¾	—
Colo., etc.	lb.	.09½	—
other points.	lb.	.09	—
smaller lots, dlvd., Ala., etc.	lb.	.09¾	—
Ariz., etc.	lb.	.10¼	—
Colo., etc.	lb.	.10	—
other points.	lb.	.09½	—
in oil, 95% min., 100-lb. kgs.	lb.	.12½	—
	lb.	.12½	—
Resinate, fused 15%, bbls.	lb.	.09½	—
pale, bbls.	lb.	.11½	—

Iron Acetate—Lead, White

Lead silicate, bgs., 5 tons.	lb.	.0616	—
smaller lots.	lb.	.0659	—
Stearate, bbls.	lb.	.25	—
Sulphate (see Lead, white basic sulphate).			
Titanate, bbls., c.l., (20 tons), works, frt. alld.	lb.	.10	—
l.c.l., 5 tons, one delvy., E. frt. alld.	lb.	.10¼	—
Pac. Cst., ex whse.	lb.	.10¼	—
smaller lots, E. frt. alld.,	lb.	.10½	—
Pac. Cst., ex whse.	lb.	.10½	—
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo—lb.		.07¼	—
other points.	lb.	.07	—
l.c.l., dlvd., Ariz., etc.	lb.	.07½	—
other points.	lb.	.07¼	—
basic sulphate, bbls., c.l., dlvd., Ariz., etc.	lb.	.06½	—
other points.	lb.	.06¼	—
l.c.l., dlvd. Ariz., etc.	lb.	.06¾	—
other points.	lb.	.06½	—
in oil, 100-lb. kgs., consumers,	lb.	.12¾	—
dealers	lb.	.12¾	—
painters	lb.	.11¾	—

Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.

Adaptable as No. 1307

BECKOSOL

EXTRA LIGHT

COLOR	2L-2
ACID NO.	3-6
VISCOSITY	N-O

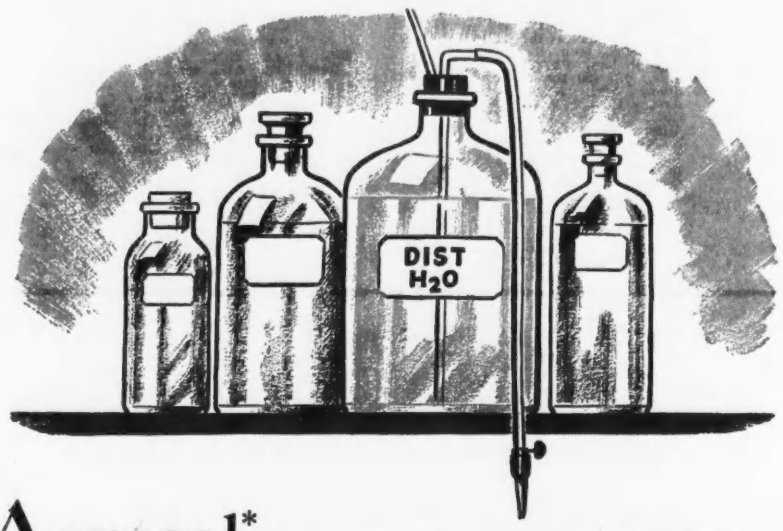
No. 1307 Beckosol was designed expressly for finishes of the spraying type in which it is the most versatile pure alkyd available.

Air-drying or baking enamels formulated with No. 1307 are exceptionally tough and are good marproof ized by outstanding durability and good marproof properties. To produce whites which retain their gloss and original color and maintain permanent flexibility in both exterior and interior finishes, formulators are using this outstanding alkyd solution.

No. 1307 Beckosol is one of a complete line of synthetic resins, processed copals, ester gums and synthetic oils produced by Reichhold Chemicals. Your inquiries concerning this or any other RCI product are welcomed.

REICHHOLD CHEMICALS INCORPORATED

DETROIT MICHIGAN



Aerosol,* TOO, IS A PURE PRODUCT

The AEROSOL Wetting Agents contain no inorganic salts. In their concentrated form they contain only a negligible amount of moisture. Consequently, they can be used in a much greater variety of processes than might normally be expected.

This purity, and the fact that they may be used with many organic liquids as well as water, make AEROSOL Wetting Agents the most versatile known.

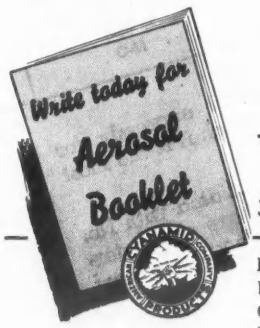
AEROSOL OT 100% is also the most powerful wetting agent commercially available—and consequently the most *economical* where great strength is desirable.

There are a number of specific AEROSOL Wetting Agents for specific purposes. In your processes there may be many steps in which their speedy wetting properties, purity and versatility may mean economy in time or lower production costs.

Here are a few of the uses made practicable by the purity of these wetting agents:

In preparation of penetrating emulsions
In manufacture of photographic developers
For making clear varnishes for rubber products
In manufacture of rubber cements
For rinsing of plated articles
For solvent degreasing (dip process)
In manufacture of coatings for greasy surfaces.

If fast and complete wetting is a problem in any of your processes, consult Cyanamid about AEROSOL Wetting Agents.



*Trade-mark of American Cyanamid & Chemical Corporation applied to wetting agents of its own manufacture.

American Cyanamid
& CHEMICAL CORPORATION
30 ROCKEFELLER PLAZA • NEW YORK, N. Y.

DISTRICT OFFICES: 89 Broad Street, Boston, Mass.; 600 S. Delaware Avenue, Philadelphia, Pa.; Russell & Bayard Streets, Baltimore, Md.; 822 W. Morehead Street, Charlotte, N. C.; 860 Leader Bldg., Cleveland, Ohio; 20 N. Wacker Drive, Chicago, Ill.; 2006 Race Street, Kalamazoo, Mich.; 931 Fisher Bldg., Detroit, Mich.; 1603 Arcade Bldg., St. Louis, Mo.; Azusa, Calif.

Lecithin, 100%, cns., f.o.b., N.Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same l.c.l., same basis..lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .87½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms., prices are 1c. per lb. less.

Lemon peel, bls.....lb. .13 - .15
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .12 - .13
select, bdls., cs.....lb. .38 - .43
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa.....ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio.....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich.....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich.....ton. 8.00 - —
Mitchell, Ind.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton. 13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton. 13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton. 10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton. 10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton. 14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton. 12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton. 16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton. 11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton. 11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton. 11.00 - —
Scioto, Ohio.....ton. 10.00 - —
Woodville, Ohio.....ton. 11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .16
Zone 3, tanks, dealers ,dlvd., gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minns., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns.....lb. 1.75 - 3.00
Linden flowers, with leaves, bls.lb. .42 - .45
without leaves, bls.....lb. .48 - .50
Linseed cake, bgs., export....ton. 21.00 - —
meal, bgs.....ton. 23.50 - —
Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07½- —
Other points.....lb. .07 - —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in in Ore., and Wash..lb. .07¾- ..

Litharge, com'l, powder, bbls., 5 tons, dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., and Wash..lb. .08 - —
Colo., Mont., N. Mex., in Ore., and Wash..lb. .08¼- —
Wyo..lb. .08 - —
Other points.....lb. .07½- —
smaller lots, dlvd., Ala..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
Other points.....lb. .08 - —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high-strength), bgs., c.l., (20 tons)..lb. .05 - —
smaller lots.....lb. .05¼- —
bbls., c.l. (20 tons)..lb. .05¼- —
smaller lots.....lb. .05½- —
ordinary, bgs., c.l. (20 tons)..lb. .0360- —
smaller lots.....lb. .0385- —
bbls., c.l. (20 tons).....lb. .0385- —
smaller lots.....lb. .04¼- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .12 - .15
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.75 - 5.00

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Mace, Banda, cs.....lb. .49 - .50
Batavia, cs.....lb. .27 - .28
Siauw, cs.....lb. .32 - .33
West Indian, cs.....lb. .31 - .32
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, l.c.l., bgs..lb. .06¾- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09¼- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09¼- —
kgs.....lb. .10¼- —
Other points.....lb. .08 - —

Magnesia:—Zone 1—Mass., Conn., R. I. N.Y., N.J., Pa., D. of C., Del. and Md., c.l., shipments, frt., equald., with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, fr't alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Magnesia, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton. 39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11½
Stearate, bbls., ctns., c.l.....lb. .23 - —
1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .50 - —
smaller lots, dms.....lb. .55 - —
Magnesite, cal., dom., bgs....ton. 60.00 -65.00
Imports, bgs., duty paid...ton. 70.00 Nom.
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash...ton. 22.00 -25.00
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots...lb. .53 - —
100-lb. lots.....lb. .55 - —
5-lb. cns.....lb. .73 - —
Malva flowers, black, bls.....lb. .75 - .95
blue, bls.....lb. .75 - .95
Leaves, bls.....lb. .30 - .40
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton. 69.00 - —
5-15 tons, works.....ton. 72.00 - —
½ 4 tons, works.....ton. 77.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton. 74.00 - —
l.c.l., 5 tons, works....ton. 77.00 - —
smaller lots, works...ton. 82.00 - —
burlap, bgs., c.l., works, ton. 71.75 - —
l.c.l., 5 tons, works..ton. 74.75 - —
smaller lots works.ton. 79.75 - —
paper bgs., c.l., works.ton. 70.00 - —
l.c.l., 5 tons, works...ton. 73.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.80 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports, duty paid..unit-ton. .71 - .73
Resinate, fused, 3½%, bbls..ton. .08¼- .08½
precip., dms.....lb. .12 - —

Manganese, sulphate, anhyd., ton lots, works..lb. .10½- —
single bbls., works.....lb. .10¾- —
fertilizer, 65%, $MnSO_4$ bgs., c.l., dlvd., South..ton. 57.00 - —
l.c.l., bgs.....ton. 65.00 -75.00
Mangrove bark, bgs., shipt...ton. 35.00 -36.00
Manna flake, large, cs.....lb. 1.50 Nom.
small, cs.....lb. 1.25 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .38 - —
smaller lots, works.....lb. .45 - —
reagent grade, 50 lb. cs., or multiples, works..lb. .90 - —
Marble flour, bgs.....ton. 12.00 -14.00
Marjoram, French, No. 1.....lb. .46 - .48
Tunisan, bls.....lb. No stocks
Chilean.....lb. .16 - .16½
Matico leaves, bls.....lb. .22 - .25
Menthol, USP, natural, cs.....lb. 3.45 - 3.55
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms., 50 lbs.....lb. 1.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.44 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd.....lb. 4.05 - 4.10
Iodide, red, NF, 5-lb. bots...lb. 4.71 - —
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.70 - 4.75
Mercury, nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.66 - —
USP, fib. dms., 50 lbs. or more..lb. 3.18 - —
Mercury and chalk, 5 lb. ctns..lb. 1.98 - —
25-lb. fib. dms.....lb. 1.86 - 1.88
Mesityl oxide, cns., works.....lb. .20½- —
dms., c.l., dlvd.....lb. .16 - —
l.cl., dlvd.....lb. .16¼- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in. pkg. 15.25 -15.75
3⅜x3⅜ in.....pkg. 16.15 -17.50
4x4 in.....pkg. 19.50 -20.00
3⅜x5⅛ in.....pkg. 22.50 -23.00
3⅜x5⅛ in.....pkg. 24.50 -25.00
silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group A, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

natural, producer group B, pure, tanks, frt. alld. Zone 1. gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½- —
dms., c.l., Zone 1.....gal. .35½- —
Zone 2.....gal. .37½- —
Zone 3.....gal. .39½- —
Zone 4.....gal. .41½- —
l.c.l., Zone 1.....gal. .38 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½- —

95%, frt. alld., prices 2c. less than pure, all zones.

97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. alld....gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd., E. of Miss. R., lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd., E of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd., E. of Miss. R..lb. .07½- —
W. of Miss R.....lb. .08½- —
tanks, dlvd., E. of Miss. R., lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .32 - —
dms., c.l., same basis, gal. .37½- —
l.c.l., same basis...gal. .40 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Lecithin—Milk Powder

Methyl, acetone, natural, group B producers, tanks, Zone 1..gal. .32 - —
Zone 2.....gal. .34 - —
Zone 3.....gal. .36 - —
Zone 4.....gal. .36½- —
dms., c.l., Zone 1.....gal. .37½- —
Zone 2.....gal. .39½- —
Zone 3.....gal. .41½- —
Zone 4.....gal. .43½- —
l.c.l., Zone 1.....gal. .40 - —
Zone 2.....gal. .47½- —
Zone 3.....gal. .44 - —
Zone 4.....gal. .56½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wisc. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash. Portland, Ore. Zone 4. Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Synthetic, tanks, zone 1....gal. .34 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .45½- —
dms., c.l., zone 1.....gal. .36 - —
Zone 2.....gal. .44 - —
Zone 3.....gal. .48 - —
Methanol, synthetic, l.c.l., zone 1..gal. .37 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .48½- —
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
Methyl, chloride, tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. sylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.....lb. 2.75 - 3.25
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd....lb. .80 - —
Iodide, bots.....lb. 3.68 - 3.82
Salicylate, dms.....lb. .35 - .37
cns.....lb. .37 - .40
Violet toner, bbls.....lb. .88 - —
permanent, bbls.....lb. .80 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 100 lbs. or more, frt. alld..lb. .70 - —
less than 100 lbs., works..lb. .75 - —
Methylcyclohexane, 98-100%, dms., dlvd..lb. .17 - —
Methylcyclohexanol, 98-100%, dms., dlvd..lb. .26 - —
Methylcyclohexanone, 98 - 100%, dms., dlvd..lb. .40 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp., bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l.lb. .20½- —
l.c.l.....lb. .21 - —
tanks.....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton. 11.00 - —
180 mesh., containers extra, c.l., same basis..ton. 11.00 - —
l.c.l., same basis.....ton. 13.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton. 30.00 - —
l.c.l., 5,000 lbs., works, ton. 40.00 - —
1,000 lbs., works..lb. .02 - —
500 lbs., works..lb. .02½- —
100 lbs., works..lb. .03 - —
refined, bgs., extra and returnable, c.l., works, ton. 20.00 - —
l.c.l., 5,000 lbs, works, ton. 39.00 - —
paint, bgs., extra and returnable, c.l., works, ton. 55.00 - —
l.c.l., 5,000 lbs, works, ton. 65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works.....ton. 35.00 - —
l.c.l., 5,000 lbs., works, ton. 45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works..lb. .03 - —
roofing, bgs., extra and returnable, c.l., works, ton. 29.00 - —
l.c.l., 5,000 lbs., works, ton. 39.00 - —
paint, bgs., extra and returnable, c.l., works, ton. 60.00 - —
l.c.l., 5,000 lbs., works, ton. 70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04⅝- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅝- —
rubber, bgs., c.l., frt. alld. E..lb. .04¼- —
L.c.l., ex whse., or frt. alld. E..lb. .04¾- —

wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l.....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l.....lb. .08½- —
unskimmed, roller, bbls., c.l., lb. .15½- —
l.c.l.....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —

Millet Seed—Oil, Corn

Millet seed, yellow, bgs.....lb. .0250- .0280
early fortune, bgs.....lb. .02½- .06
hulled, bgs.....lb. .05½- .06
Mineral spirits (see Petroleum thinners and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .07 - —
f.o.b. Gulf ports.....gal. .06¼- .06⅝
Molybdate orange (see Orange, molybdate).
Molydenum metal kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works.lb. .80 - —
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works.....lb. .33 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., wks., lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein leaves, cns.....lb. .12 - .14
flowers, cns.....lb. 1.30 - 1.35
Musk, nat., Tonquin, grained, bots..oz.19.00 -20.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.65 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, lb. .16¼- .16¾
yellow, bgs.....lb. .16½- .17
Chinese yellow, bgs.....lb. .10 - .10½
Danish, yellow.....lb. .25½- .26
Lutch, yellow.....lb. .28 - .29
English, yellow, bgs.....lb. No stocks
Montana yellow, bgs.....lb. .15 - .15½
Roumanian, yellow.....lb. .16½- .17
Myrobalans, J1, bgs., f.a.s...ton.40.00 - —
J2, bgs., f.a.s.....ton.34.00 - —
Extract, liquid, 25%, bbls...lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works..100 lbs. 2.25 - 2.50
bbls., c.l., works...100 lbs. 2.50 - 2.60
78 deg., bgs., c.l., works, 100 lbs. 2.50 - 2.75
l.c.l., works.....100 lbs. 2.75 - 3.00
import. bgs., c.i.f.....100 lbs. No price
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼- —
pkgs. (16 oz.), same basis, lb. .07⅝- —
(12 oz.), same basis..pkg. .06¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lb. dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .70 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ⅛, and 40 sec. vis., bbls., works. lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
Lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works. lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.2158- —
Nitrogenous fertilizer material, dom., 8-11% ammon., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 1.75 - —
f.o.b. Chemical, Ill., unit-ton. 1.75 - —
f.o.b. East Coast producing points..unit-ton. 2.20 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Aleppo, bgs., cs....lb. .29 - .30
Chinese .....lb. .17 - .18
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .18 - .18½
110s, bgs., cs.....lb. .16 - .16½
West Indian, bgs.....lb. .09¼- .09½
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .05⅜- —
tanks .....lb. .02⅜- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.S..gal. .12¼- —
l.c.l., G.S.....gal. .17 - —
tanks, G.S.....gal. .10½- —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —
Octyl acetate, dms., c.l. works..lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.75 - 3.00
s.p.a., bots.....lb. 3.00 - 3.25
sweet, true, exp., cns....lb. .70 - .75
Amber, crude, cns.....lb. .22 - .23
ref'd, cns.....lb. .75 - .80
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.80.00 Nom.
seed, bots.....lb.48.00 -53.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .90 - .95
Apricot, kernels, cns.....lb. .28 - .29
Babassu, tanks.....lb. .05⅞ Nom.
Bay, W. I., 50-55% phenols, cns..lb. 1.10 - 1.15
55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 1.75 - 2.00
natural, coppers.....lb. 7.25 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, dms.....lb. .27 - .28
rectified, cns.....lb. .85 - .90
Bois de rose, Brazil, cns.....lb. 1.55 - 1.60
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .58 - .68
USP, IX, cns.....lb. .71 - .72
Calamus, cns.....lb. 8.25 - 8.50
Camphor, sassafrassy, cns...lb. .31 - .32
dms. .....lb. .28 - .29
white, cns.....lb. .35 - .37
dms. .....lb. .32 - .33
Cananga, native, cns.....lb. 1.60 - 1.65
rectified, cns.....lb. 2.00 - 2.25
Capsicum (oleoresin), U S P, VIII..cns. 3.50 - 3.75
Caraway, USP, cns.....lb. 5.00 Nom.
Cardamon, bots.....lb.15.00 -16.00
Cassia, USP, cs., dms.....lb. 1.50 - 1.55
Castor, blown, one-way dms., c.l..lb. .11¾- —
l.c.l. .....lb. .12½- —
cold pressed, USP, bbls., c.l., lb. .10¼- —
l.c.l. .....lb. .11 - —
cns. (1-gal.), l.c.l.....lb. .14 - —
dms. (returnable), c.l...lb. .10 - —
l.c.l. .....lb. .10¾- —
(5-gal.), l.c.l.....lb. .12 - —
tanks .....lb. .09½- —
dehydrated, dms., c.l.....lb. .1310- —
l.c.l. .....lb. .13½- —
tanks .....lb. .12½- —
extracted No. 3, tech., bbls., c.l..lb. .09¾- —
l.c.l. .....lb. .10½- —
dms. (returnable), c.l.....lb. .09½- —
l.c.l. .....lb. .10¼- —
tanks .....lb. .09 - —
sulphonated, 50% (43% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
75% (63% fat), dms., c.l..lb. .09¾- —
l.c.l. .....lb. .10¾- —
80% (68% fat), dms., c.l..lb. .10 - —
l.c.l. .....lb. .11 - —

Castor oil, USP, and No. 3, prices are dlvd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅝c. higher than N. Y.; l.c.l. prices ⅝c. higher than N. Y.; one-way drums, ¼c. higher, all points.

Cedarleaf, cs.....lb. .90 - .95
dms. .....lb. .85 - .90
Cedarwood, Oregon, cns., dms., lb. .28 - .30
Southern, cns., dms.....lb. .22 - .25
Celery, bots.....lb.12.00 -12.50
Chaulmoogra, USP, cns.....lb. .72½- —
Chinawood, dms.....lb. .26¾- .27
tanks .....lb. .25¾- —
Cinnamon, Ceylon, bots.....lb. 9.25 -27.00
Seychelle, bots.....lb. 7.25 - 8.00
Citronella, Ceylon, cns.....lb. .36 - .37
dms. .....lb. .34 - .36
Java, cns., dms.....lb. .33 - .34
Clove, makers, USP, cns....lb. 1.10 - 1.15
dms. .....lb. 1.05 - 1.10
Coconut, Manila, crude, tanks, lb. .02⅞- —
edible, 76°, dms. (returnable), c.l..lb. .07½- —
l.c.l. .....lb. .08 - —
tanks .....lb. .06¾- —
Cod, Newf., bbls.....gal. .60 - —
Codliver, med., USP, bbls..bbl.70.00 -75.00
Coriander, bots.....lb.13.25 -13.50
Corn, crude, tanks, wks.....lb. .05½- .05¾
rfd., bbls.....lb. .07⅝- .07¾

OUTSELLS
ALL OTHER BRANDS COMBINED
3 TO 1

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OIL OF LEMON
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DODGE & OLCOTT COMPANY
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76 NINTH AVENUE, NEW YORK, N. Y.

Distributors for
CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO., CORONA, CALIFORNIA

Oil, cottonseed, cooking bbls..lb. .07¼- —
salad, bbls.....lb. .07½- —
Creosote (see C).
Croton, N. F., cns.....lb. 2.25 - 2.50
Cubeb, USP, cns.....lb. 3.00 - 3.25
Crude (see Petroleum, crude).
Cumin, bots.....lb. 7.50 - 7.75
Cypress, dom., bots.....lb. 5.25 - 5.50
import, cns.....lb. 12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 1.70 - 1.75
California, f.o.b. San Francisco, truck..gal. .05½- —
Dill seed, bots.....lb. 4.50 - 5.00
weed, bots.....lb. 5.25 - 5.50
Dip (see L).
Erigeron, cns.....lb. 2.15 - 2.20
Eucalyptus, cns.....lb. .66 - .68
dms. .....lb. .64 - .68
Fennel, sweet, cns.....lb. 1.90 - 2.00
Fuel, bunker, California, tidewater..bbl. .75 - .80
Gulf Coast, at terminal..bbl. .80 - —
Louisiana, Arkansas, 10-14, bbl. .70 - —
N.Y. and N.J. terminals.bbl. 1.25 - —
North Texas, 18-22.....bbl. .72½- .77½
24-28, zero cold test....bbl. 1.00 - —
Oklahoma, 18-22.....bbl. .72½- .77½
24-28, zero cold test....bbl. 1.00 - —
24-28, 15 and above....bbl. .80 - —
Pennsylvania, 36-40.....gal. .04 - —
Furnace, Bayonne, 1, bulk, refinery..gal. .0480- —
2, bulk, same basis.....gal. .0410- —
4, bulk, same basis.....gal. .0410- —
Louisiana - Arkansas, 32 - 36, light straw..gal. .03 - .03¼
Oklahoma, 28-30.....gal. .03 - —
32-36 .....gal. .03¼- .03¾
36-38 .....gal. .03½- .03⅞
38-40 zero, 60 e.p.....gal. .03⅝- —
Fusel (see F).
Gas, 27 plus, Bayonne, bulk.gal. .0410- —
Gulf Coast, bulk.....gal. .03½- —
Group 3, bulk.....gal. .02⅝- .03
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb. 5.25 - 5.50
Bourbon, cns.....lb. 5.00 - 5.50
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.60 - 1.65
Grapeseed, dms.....lb. .40 - .45
Ginger, dist., bots.....lb. 4.10 - 4.25
Guaiac wood, concrete, bots..lb. 2.80 - 2.85
Haarlem, imp., bots.....gross No prices
Hemlock, cns.....lb. .85 - .90
Juniper berry, USP XI, cns..lb. 5.75 Nom.
wood, tech., cns.....lb. .50 - —
Juniper tar, USP XI, cns....lb. .37 - .40
Lard, common, 1, bbls.....lb. .07 - —
2, bbls.....lb. .06¾- —
extra, bbls.....lb. .07½- —
1, bbls.....lb. .07¼- —
winter, strained, bbls....lb. .07¾- —
prime, burning, bbls.....lb. .08¼- —
prime, ined., bbls.....lb. .08 - —
Laurel, bots.....lb. 4.50 - 4.60
Lavandin, cns., 25 lbs.....lb. 3.25 Nom.
Lavender flower, French, 50% ester, cns..lb. 6.00 Nom.
38-42% ester, cns.....lb. 4.50 - 4.75
35-38% ester, cns.....lb. 4.00 - 4.25
30-32% ester, cns.....lb. 3.50 - 3.75
garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 1.10 - 1.15
dms. .....lb. 1.05 - 1.10
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 4.75 Nom.
Terpeneless, Type 1.....lb. 10.50 -16.50
Type 2.....lb. 8.35 -14.50
Lemongrass, native, cns., dms., lb. .75 - .80
Lime, dist., cns.....lb. 4.50 - 4.75
expressed, cns.....lb. 7.50 - 7.75
Terpeneless, Type 1.....lb. 70.00 -78.00
Type 2.....lb. 42.00 -46.50
Linaloe wood, cns.....lb. 1.30 - 1.35
Linseed, raw, dms., c.l.....lb. .0830- .0850
l.c.l., 10 to 69.....lb. .0870- .0890
5 to 9.....lb. .0890- .0910
less than 5.....lb. .0910- .0930
tanks .....lb. .0770- .0790
Boiled linseed oil .004 cents over raw.
Lovage, bots.....lb. 41.25 -60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California (f.o.b. San Francisco), green, 70, 80,100 vis. at 210° F., tanks..gal. .17 - .17½
200, 300, 500, 750 vis., at 100° F., tanks..gal. .15 - 16½
pale, 75, 100, 200, 300, 500, 750 vis., at 100° F., tanks..gal. .13½- .16½
red, 100, 200, 300, 500 vis., at 100° F., tanks, gal. .13½- .16
Oklahoma, bright stocks, 100-110 D, color 4,0-10 pour, tanks..gal. .15 - —
15-25 pour, tanks.gal. .15½- —
150-160 D, color, 4½, 0-10 pour, tanks..gal. .15½- —
15-25 pour, tanks..gal. .13½- —
150-160 E, color 5½, 15-25 pour,tanks..gal. .13½- —
190-200 D, color 4¼, 15-25 pour, tanks..gal. .12½- —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks..gal. .07 - —
180 vis., 5 color, tanks, gal. .09 - —
4 color, tanks.....gal. .09 - —
200 vis., color, tanks.. gal. .00 - —
4 color, tanks.....gal. .08½- —
250 vis., 3 color, tanks, gal. .10 - —
4 color, tanks.....gal. .10 - —
280 vis., 3 color, tanks, gal. .10½- —
4 color, tanks.....gal. .10 - —
10-25 pour prices are ½c. less than zero to 10° pour. per gallon
Pennsylvania, bright stocks, 6 color, 140-150 vis., 545-550 flash, 10 pour, tanks..gal. .14½- .15
15 pour, tanks.....gal. .13½- .14
25 pour, tanks.....gal. .12 - .14
cylinder oil, 600 flash, tanks..gal. .09 - .11
630 flash, tanks....gal. .11 - .13
600 steam refined, tanks. gal. .07 - .08
650 steam refined, tanks, gal. .08 - .10
Neutrals, 150 vis., 70°F., 3 color, 400-405 flash, zero pour, tanks..gal. .22½- —
10 pour, tanks.....gal. .21½- —
15 pour, tanks.....gal. .20½- —
25 pour, tanks.....gal. .19 - .20
200 vis., 70°F., 3 color, 420-422 flash, zero pour, tanks..gal. .24½- —
10 pour, tanks.....gal. .23½- —
15 pour, tanks.....gal. .22½- —
25 pour, tanks.....gal. .21 - .22
Mace, dist., cns., dms.....lb. 2.10 - 2.15
Mandarin, superior, coppers..lb. 7.25 - 9.00
Menhaden, crude, tanks, fut., Balto—gal. No Prices
refd., alkali, dms.....lb. .0670- —
tanks .....lb. .0610- —
blown, dms.....lb. .0680- —
kettle-bodied, dms.....lb. .0790- —
light-pressed, dms.....lb. .0610- —
tanks .....lb. .0550- —
Mineral, white (see Oil, white mineral).

Oil, mustard, artif., USP., bots., cns..lb. 1.50 - 1.60
dist., natural, bots.....lb. 8.50 - 9.00
Neatsfoot, 20° cold test, bbls., lb. .15¼- —
extra, bbls.....lb. .07½- —
1, bbls.....lb. .07¼- —
prime, bbls.....lb. .07¾- —
pure, bbls.....lb. .10¼- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb. 200.00-325.00
Nutmeg, dist., cns., dms....lb. 2.10 - 2.15
Oleo, 1, bbls.....lb. .07⅝- —
2, bbls.....lb. .07¼- —
Oiticica, dms.....lb. .18½- .19¼
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 1.95 Nom.
edible, dms.....gal. 3.00 Nom.
foots, dms.....lb. .09½ Nom.
sulphonated, 50%, (42% fat), dms., c.l..lb. .09½- —
l.c.l. .....lb. .10½- —
75% (63% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13½- —
80% (68% fat), dms., c.l., lb. .127 - —
l.c.l. .....lb. .137 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms., lb. 1.40 - 1.50
Calif., cns.....lb. 2.00 - —
Florida, cns.....lb. 1.25 - 1.30
Messina, USP, coppers...lb. 8.25 Nom.
West Indies, cns.....lb. 2.00 - 2.10
terpeneless .....lb. 42.00 -50.00
Origanum, cns.....lb. 1.05 - 1.45
Palm, Niger, dms.....lb. .03¾ Nom.
shipments .....lb. .02⅝ Nom.
softs, 12½%, bulk, shipt....lb. .02¼ Nom.
Sumatra, shipt., bulk.....lb. .02⅛ Nom.

Oil, palmarosa, cns.....lb. 2.25 - 2.50
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
300° flash, 100-110 vis., tanks, G. 3..gal .05¾- —
Patchouli, bots., cns.....lb. 4.75 - 6.00
Peanut, crude, dom., tanks..lb. .04¾ Nom.
refd., edible, bbls.....lb. .07½ Nom.
Pennyroyal, dom., cns.....lb. 3.00 Nom.
import, cns.....lb. 2.50 - 2.75
Peppermint, natural, cns., dms., lb. 2.35 - 2.60
redist., USP, cns., dms....lb. 2.60 - 2.85
Perilla, dms.....lb. .18 - .18¼
tanks .....lb. .17¼- .17½
Petitgrain, Paraguay, cns....lb. 1.35 - 1.40
Pimento berry, cns.....lb. 4.20 - 7.25
leaf, cns.....lb. 2.25 - 2.50
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .50 - .55
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns....lb. 1.25 - 1.30
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Boston, Providence, gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, blown, bbls.....lb. .17¼ Nom.
denat., bbls.....gal. 1.05 - 1.10

Oil, Cottonseed—Oil, Spearmint

Oil, red, dist., or saponif., dms., dlvd..lb. .06¼- .07¼
tanks, dlvd.....lb. .05¾- —
Rose, artif., bots.....oz. 1.35 - 2.25
natural, coppers.....oz. 5.50 -22.50
Rosemary, Spanish, cns.....lb. .59 - .64
dms. .....lb. .54 - .59
Rusin, 1st rectfd., dms.....gal. .42 - —
2d rectfd., dms.....gal. .44 - —
3d rectfd., dms.....gal. .48 - —
Rue, bots.....lb. 3.00 - 3.25
Sage, cns.....lb. 2.50 - 3.00
Sandalwood, E.I., USP, cns..lb. 4.95 - 5.25
Mysore, cns., case lots.....lb. 5.50 - 5.75
Sardine, crude, fut., tanks, Pac. Cst..gal. .27 Nom.
refd., alkali, dms.....lb. .0670- —
tanks .....lb. .0610- —
kettle-bodied, dms.....lb. .0790- —
light-pressed, dms.....lb. .0610- —
tanks .....lb. .0550- —
Sassafras, artif., cns.....lb. .75 - —
dms. .....lb. .72 - —
natural, cns., dms.....lb. 1.00 - 1.25
Savin, cns.....lb. 5.40 - 5.50
Savory, cns.....lb. 3.50 - 3.75
Sesame, crude, coast, tanks..lb. .07¼- —
Shingle stain, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.50
Soybean, dom., crude, dms..lb. .05¼- .05¾
tanks .....lb. .04¼- .04¾
refd., dms.....lb. .06¼- .07¼
tanks .....lb. .05¾- .06¼
Spearmint, dms.....lb. 2.10 - 2.15

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BRANCHES AND DISTRIBUTORS THROUGHOUT THE WORLD

Oil, Sperm—Petrolatum

Oil, sperm, bleach, 38°, dms.	lb.	.1100- —
45°, dms.	lb.	.1030- —
natural, dms.	lb.	.0980- —
Spruce, cns., dms.	lb.	.80 - .85
Sweet, birch, North, cns.	lb.	2.25 - 2.65
South, cns.	lb.	1.55 - 1.70
Tall, crude, dms., c.l., works,	ton.	40.00 - —
l.c.l., works	ton.	45.00 - 50.00
tanks, works	ton.	30.00 - —
distilled, dms., c.l., dlvd.	lb.	.05½- .07
l.c.l., dlvd.	lb.	.06½- .08¼
tanks, dlvd.	lb.	.05 - .06¾
refined, dms., c.l., works	lb.	.04 - —
l.c.l., works	lb.	.04½- —
tanks, works	lb.	.03½- —
Tallow, acidless, bbls.	lb.	.07 - —
tanks	lb.	.06½- —
Tansy, cns.	lb.	4.25 - 4.50
Tar, pine, com'l, dms., c.l., dlvd. E. cities	gal.	.26 - —
E. ports, c.l.	gal.	.25 - —
l.c.l.	gal.	.27 - —
tanks, dlvd. E. cities	gal.	.20 - —
rectfd., USP, bbls., l.c.l., dlvd. E. ports	gal.	.55 - —
Tar acid (see T).		
Teaseed, crude, dms.	lb.	.16 Nom.
Tea Tree (see Oil, Ti tree).		
Thyme, NF, red, dms.	lb.	.80 - 1.75
white, dms.	lb.	.95 - 1.95
Tung (see Oil, chinawood).		
Ti tree, cns.	lb.	2.30 - 2.80
Turkey red (see castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.	gal.	6.00 - —
Valerian, bots.	lb.	8.00 - 9.00
Oil, vetiver, bots.	lb.	4.00 -15.00
Whale, ref., natural, dms.	lb.	.0910- —
winter, bleach, dms.	lb.	.0950- —
Wheat germ, cns., dms.	gal.	17.50 -25.00
White, mineral, dom., dms., tech., 50-60 vis., dms.	gal.	.31 - .38
65-75 vis., dms.	gal.	.33 - .40
80-90 vis., dms.	gal.	.34 - .41
USP, 80-90 vis., dms.	gal.	.36 - .43
95-105 vis., dms.	gal.	.40½- .47½
125-135 vis., dms.	gal.	.46 - .53
140-150 vis., dms.	gal.	.49 - .55
175-185 vis., dms.	gal.	.53½- .60½
200-210 vis., dms.	gal.	.56½- .63½
320-330 vis., dms.	gal.	.64 - .71
335-345 vis., dms.	gal.	.65 - .72
Russian, 80-90 vis., dms.	gal.	No prices
145-155 vis., dms.	gal.	No prices
175-185 vis., dms.	gal.	No prices
335-345 vis., dms.	gal.	No prices
Wintergreen, natural, North, cns.	lb.	4.35 - 5.00
South, cns.	lb.	3.05 - 3.75
synth, (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed, cns.	lb.	3.60 - 3.70
Wormwood, cns.	lb.	4.65 - 4.75
Ylang-ylang, Bourb., bots., cns.	lb.	7.00 Nom.
Manila, bots.	lb.	23.00 Nom.
Olivine, aggregate, c.l., mines,	ton.	7.00 -11.00
Lumps, same basis	ton.	7.00 - —
Spalls, same basis	ton.	5.00 - —
ground, 325 mesh c.l., mines,	ton.	20.00 - —
200 mesh, c.l., mines	ton.	17.00 - —
100 mesh, c.l., mines	ton.	15.00 - —
20 mesh to dust	ton.	12.00 - —
Opium USP, cns.	lb.	11.50 -12.50
gran., cns.	lb.	12.50 -13.50
powd., cns.	lb.	12.50 -13.50
Orange Lake, Persian, bbls.	lb.	.30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.11¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.11¾- —
Colo., Mont., N. M., Wyo.	lb.	.11½- —
Other points	lb.	.11 - —
smaller lots, dlvd., Ala. etc.	lb.	.11¾- —
Ariz., etc	lb.	.12¼- —
Colo., Mont., N. M., Wyo.	lb.	.12 - —
Other points	lb.	.11½- —
French, Tours, casks, ex dock	lb.	.13½- —
kgs., ex dock	lb.	.14½- —
Molybdate, bbls.	lb.	.31 - —
Toner, bbls.	lb.	.80 - —
Orangeflower petals, cs.	lb.	.45 - .50
Orange peel, bitter, bls.	lb.	.09 - .10
sweet, bls.	lb.	.11 - .12¼
Orris root, Florentine, bgs.	lb.	.65 Nom.
fingers, cs.	lb.	1.50 Nom.
powd., bbls., bxs.	lb.	.70 Nom.
Verona, bls.	lb.	.60 Nom.
powd., bgs., cns.	lb.	.65 Nom.
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloraniilin, dms.	lb.	.60 - .75
Orthochlorophenol, dms.	lb.	.32 - —
Orthocresol, dms., c.l., works.	lb.	.16 - —
l.c.l., same basis	lb.	.16¼- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.06 - —
Orthodichlorobenzene, l.c.l., same basis	lb.	.07 - —
100-lb. tins, same basis	lb.	.08 - —
50-lb. tins, same basis	lb.	.09 - —
tanks, same basis	lb.	.05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.		
Orthonitroaniiin, dms.	lb.	.55 - —
Orthonitrochlorobenzene, dms.	lb.	.15 - .18
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —
Orthophenetidin, dms.	lb.	.80 - —
Orthotoluidin, dms.	lb.	.19 - —
Osage orange extract, cryst., bbls.	lb.	.21 - —
liquid, 42°, bbls.	lb.	.09 - —
51°, bbls.	lb.	.10 - —
Oxyquinolin sulphate, cns., 100-lbs., works	lb.	3.50 - —
bots., cns., 1-50 lbs.	lb.	3.65 - 4.00
Orthotoluene hydrochloride, dms.	lb.	.22 - —
Sulphonate, kgs.	lb.	2.00 - 2.05

P

Papain, powd., cs.	lb.	1.40 - 1.45
Paprika, Algerian, bgs.	lb.	.35 - .36
Bulgarian, bgs.	lb.	.29 - .30
Hungarian, extra fancy, bgs.	lb.	.40 - .41
medium, bgs.	lb.	.37 - .37½
Portuguese, extra fancy, bgs.	lb.	.26½- .27½
fancy, bgs.	lb.	.25½- .26½
Spanish, fancy, cs.	lb.	.32 - .33
Parachlorophenol, dms.	lb.	.32 - —
Paracymene, refd., dms.	gal.	.75 - 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11 - .12
l.c.l.	lb.	.12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.02¾- —
bbls., c.l., N.Y.	lb.	.02¾- —
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.02¾- .03
bbls., c.l., N.Y.	lb.	.02¾- .03
yellow, 124-126 A.m.p., bbls., c.l., N.Y.	lb.	.02½- —
fully refd., bgs., 123-125 A.m.p., bgs., c.l.	lb.	.0370- —
128-130 A.m.p., bgs., or loose, c.l.	lb.	.0570- —
131-133 A.m.p., bgs., or loose, c.l.	lb.	.0595- —
133-135 A.m.p., bgs., or loose, c.l.	lb.	.0625- —
135-137 A.m.p., bgs., or loose, c.l.	lb.	.0650- —
138-140 A.m.p., bgs., or loose, c.l.	lb.	.0725- —
143-145 A.m.p., bgs., or loose, c.l.	lb.	.0820- —
151-153 A.m.p., bgs., or loose, c.l.	lb.	.15 Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower.		
match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.03½- —
semi-rfd., solid, 122-124 A.m.p., bgs.	lb.	.03 - —
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.	lb.	.23 - —
100 to 900 lbs. shipments, same basis	lb.	.24 - —
Paraldehyde, tech., 98%, 55 and 110 gal. dms., c.l., works.	lb.	.10 - —
l.c.l., works	lb.	.11¼- —
5- and 10-gal. dms., works	lb.	.15 - —
USP, cs., cbys.	lb.	.37 - .45
Paranisidine, dms.	lb.	.75 - —
Paranitroaniiin, kgs., works	lb.	.47 - —
Paranitrochlorobenzene, kgs.	lb.	.15 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs.	lb.	.30 - —
Paraphenylenediamine, bbls.	lb.	1.25 - 1.30
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls.	lb.	.48 - —
Pareira brava root, bls.	lb.	.20 - .25
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23 - .25
l.c.l., same basis	lb.	.24 - .26
Passion flower, herb, bls.	lb.	.08 - .09
Patchouli leaves, bls.	lb.	.28 - .30
Pellitory root, bls.	lb.	.30 - .32
Pennyroyal leaves, bls.	lb.	.15 - .16
Pentane, norm., 28-38°, dm., c.l., G.3.	gal.	.11½- —
l.c.l., G.3	gal.	.16 - —
tanks, G.3	gal.	.08½- —
laboratory grade, dms., c.l., G. 3.	gal.	.14 - —
l.c.l., G.3	gal.	.25 - —
Pepper, black, Alleppey, bags.	lb.	.07¾- —
Lampong, bags.	lb.	.04 - .04¼
Tellicherry, bags.	lb.	.07½- .07¾
White, Java, Muntok, bags.	lb.	.07½- .08
Singapore, Muntok	lb.	.07¼- .07½
Red, chillis, Japan, Hontaka.	lb.	.24½- .26
Mombassa, bgs.	lb.	.29 - .29½
Peppermint leaves, dom. bls.	lb.	.50 - .55
imports, bls.	lb.	.75 - .80
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	lb.	.08 - —
l.c.l., same basis	lb.	.08½- —
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½- —
l.c.l., same basis	lb.	.09 - —
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —
Zone 4, dms., c.l., f.o.b. stock points	lb.	.09 - —
	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana, Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	lb.	.65 - .67
Petrolatum, amber, dms., c.l.	lb.	.03¼- —
l.c.l.	lb.	.03¾- —
amber, extra, dms.	lb.	.03 - —
l.c.l.	lb.	.04 - —
white, cream, dms., c.l.	lb.	.04 - —
l.c.l.	lb.	.05½- —
lily, dms., c.l.	lb.	.04¾- —
l.c.l.	lb.	.06¼- —
snow, dms., c.l.	lb.	.05½- —
l.c.l.	lb.	.07½- —

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Petroleum, crude, bulk, at wells:—		
California	bbl.	.42 - 1.75
Canada	bbl.	2.10 - 2.17
Central West:—		
Illinois	bbl.	.53 - 1.15
Lima	bbl.	.90 - —
Michigan	bbl.	.92 - 1.18
Princeton	bbl.	1.05 - —
East Texas	bbl.	1.10 - —
Gulf Coast	bbl.	.74 - 1.41
Kentucky, Tennessee	bbl.	1.10 - 1.20
Louisiana, Arkansas	bbl.	.73 - 1.20
Mexico	bbl.	No prices
Midcontinent:—		
North Texas	bbl.	.51 - 1.10
Oklahoma-Kansas	bbl.	.58 - 1.10
Pennsylvania, Ohio, West Virginia:—		
Bradford, Allegany	bbl.	1.85 - —
Corning	bbl.	1.12 - —
N. Y. Transit lines	bbl.	1.85 - —
Eureka lines	bbl.	1.44 - —
S. W. Penn lines	bbl.	1.50 - —
Lower district in National Transit lines	bbl.	1.73 - 1.78
Rocky Mountains	bbl.	.51½- 1.80
South Central and Southwestern Texas	bbl.	.73 - 1.27
Texas Panhandle	bbl.	.67 - .96
West Texas	bbl.	.53 - .96
Ether, 30-60°, dms., c.l., G.3	gal.	.14½- —
l.c.l., G.3	gal.	.25½- —
tanks, G.3	gal.	.13½- —
35-60°, dms., l.c.l., G.3	gal.	.30½- —
40-75°, dms., c.l., G.3	gal.	.14½- —
l.c.l., G.3	gal.	.26½- —
tanks, G.3	gal.	.13½- —
laboratory grade, dms., c.l., G.3	gal.	.14½- —
c.l., G.3	gal.	.25½- —
10-gal. lots, G.3	gal.	.50½- —
Lacquer, diluent, at refinery:—		
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles	gal.	.11 - —
San Francisco	gal.	.11½- —
f.o.b. Richmond	gal.	.11 - —
Willbridge, Ore., Fort Wells, Wash.	gal.	.12 - —
East Coast, tanks	gal.	.09½- .10
Group 3, toluol type, tanks,	gal.	.07⅝- —
benzol type, tanks	gal.	.07⅞- —
Naphtha, cleaners', at refinery:—		
California (f.o.b. San Francisco), tanks	gal.	.12 - —
East Coast, tanks	gal.	.09 - .10½
Group 3, tanks	gal.	.06⅝- .07
tankwagon, Boston, ex tax,	gal.	.13½- —
Bridgeport	gal.	.13½- —
Chicago, inc. 4c. tax	gal.	.15 - —
Decatur, inc. 4c. tax	gal.	.1910- —
Des Moines, inc. 4c. tax,	gal.	.1890- —
Des Moines, inc. 4c. tax,	gal.	.1890- —
Evansville, inc. ex tax	gal.	.15 - .16
tankwagon, Milwaukee, inc. 5c. tax	gal.	.2030- —
Milwaukee, inc. 5c. tax	gal.	.2030- —
Minneapolis-St. Paul, inc. 5c. tax	gal.	.20½- —
Newark, ex tax	gal.	.10½- —
New York, ex tax	gal.	.10¼- —
Omaha, ex tax	gal.	.1490- .1590
Oklahoma City, ex tax	gal.	.16¼- —
Philadelphia, ex tax	gal.	.12 - —
St. Louis, inc. 1c. tax	gal.	.15½- —
Syracuse, 150 gals	gal.	.14½- —
smaller lots, galv. drums,	gal.	.10 - —
milk cans	gal.	.21 - —
High-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway	gal.	.20 - —
2, over 90% arom., same basis	gal.	.21 - —
3, same basis	gal.	.22 - —
No. 8, tanks, f.o.b. Paulsboro, N. J.	gal.	.16½- —
30, same basis	gal.	.17½- —
40, same basis	gal.	.17¾- —
V. M. & P., at refinery:—		
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo	gal.	.11 - —
Richmond	gal.	.11½- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 - —
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles	gal.	.10 - —
San Francisco	gal.	.10½- —
Portland, Seattle	gal.	.11 - —
East Coast, tanks	gal.	.09½- —
Group 3, tanks	gal.	.06⅝- .07
tankwagon, Boston, ex tax	gal.	.14½- —
Chicago, inc. 4c. tax	gal.	.17 - —
Des Moines, inc. 4c. tax	gal.	.1890- —
Decatur, inc. 4c. tax	gal.	.1910- —
Evansville, Ind., ex tax	gal.	.1520- .1620
Milwaukee, inc. 5c. tax	gal.	.2030- —
Minneapolis-St. Paul, inc. 5c. tax	gal.	.20 - —
Newark, ex tax	gal.	.11½- —
New York, ex tax	gal.	.10¼- —
Omaha, ex tax	gal.	.1490- .1590
Philadelphia, ex tax	gal.	.13 - —
St. Louis, inc. 1c. tax	gal.	.1570- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco), bbls.	gal.	.24 - —
East Coast, tanks	gal.	.09½- —
Group 3, light, 120 i.b.p., 250 e.p., tanks	gal.	.06⅝- .07
standard, 180 i.b.p., 288 e.p., tanks	gal.	.06⅜- .07
Stoddard (CS 8-33), at refinery:—		
California (f.o.b. San Francisco), tanks	gal.	.11 - —
East Coast, tanks	gal.	.08¾- .09½
Group 3, tanks	gal.	.06⅜- .06½
tankwagon, Boston, ex tax,	gal.	.14 - —
Chicago, inc. 4c. tax	gal.	.1640- —
Decatur, inc. 4c. tax	gal.	.1860- —
Des Moines, inc. 4c. tax	gal.	.1840- —
Evansville, Ind., ex tax	gal.	.14 - .15
Milwaukee, inc. 5c. tax	gal.	.1980- —
Minneapolis-St. Paul, inc. 5c. tax	gal.	.1820- —
Newark, ex tax	gal.	.09½- —
New Orleans, ex tax	gal.	.11 - —
New York, ex tax	gal.	.09¼- —
Omaha	gal.	.1360- .1450
Philadelphia, ex tax	gal.	.13 - —
St. Louis, inc. 1c. tax	gal.	.1340- —
Tulsa, ex tax	gal.	.10½- .11½
Thinners, at refinery.—		
California (f.o.b. San Francisco), 166-252, b.r., tanks,	gal.	.10½- —
198-290 b.r., tanks	gal.	.10½- —
246-397 b.r., tanks	gal.	.10½- —
312-408 b.r., tanks	gal.	.09 - —
362-458 b.r., tanks	gal.	.09 - —
East Coast, 43-47, tanks	gal.	.08¾- .09½
47-49, tanks	gal.	.10¼- —
Group 3, tanks	gal.	.05⅞- —

Petroleum—Potash Chloride

Petroleum, thinners, tankwagon, tax included:—		
Tankwagon, tax included:—		
Albany	gal.	.13½- —
Baltimore (100 gals.)	gal.	.14 - —
25-99 gals	gal.	.16 - —
Boston	gal.	.13½- —
Bound Brook, North Amboy, N. J.	gal.	.13½- —
Bridgeport, Conn.	gal.	.11½- —
Buffalo	gal.	.15½- —
Camden, N. J.	gal.	.10 - .11½
Chicago	gal.	.1670- —
Decatur	gal.	.1810- —
Des Moines	gal.	.1790- —
Evansville, Ind.	gal.	.1420- .1520
Milwaukee	gal.	.1930- —
Minneapolis-St. Paul	gal.	.19½- —
Newark	gal.	.09½- —
New York (200 gals)	gal.	.09½- —
Omaha	gal.	.12½- —
Pittsburgh	gal.	.11½- .13½
Providence	gal.	.12 - —
Rochester	gal.	.12½- —
St. Louis	gal.	.1470- —
Syracuse	gal.	.10½- —
Trenton	gal.	.10½- —
Wilmington, Del.	gal.	.12½- —
Phenobarbital, 5-lb. bots.	lb.	3.95 - —
bots. or cns., 100 lbs., spot or contract	lb.	3.60 - —
25-lb. cns.	lb.	3.85 - —
Phenol, USP, dms., c.l., works, frt. equald.	lb.	.13 - —
l.c.l., same basis	lb.	.13¾- —
under 1,000 lbs.	lb.	.14¾- —
tanks, works	lb.	.12 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots	lb.	.85 - —
bbls., dms., kegs, 100-250 lbs.,	lb.	.87 - .89
yellow, fib. dms., 2,000-lb. lots,	lb.	.80 - —
100-lb. fib. dms	lb.	.82 - —
25-lb. dms	lb.	.87 - —
50-lb. kgs	lb.	.84 - —
Phenyl chloride, dms	lb.	.17 - —
Phenylacetaldehyde, bots	lb.	2.10 - 2.50
Dimethylacetate, cns	lb.	14.50 -15.00
Phenyl ethyl acetate, cns	lb.	2.90 - 3.00
Phenylethylphenyl acetate, bots.,	lb.	8.00 -15.00
Phenylhydrazine, base, CP, bots.	lb.	4.00 - —
hydrochloride, CP, bots., works.	lb.	4.00 - —
commercial, kgs., works	lb.	1.50 - —
pure, bbls., works	lb.	2.25 - —
Phlorogiucinol, CP, tins, wks.	lb.	20.00 -22.00
tech., tins, works	lb.	15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines	long ton.	4.35 - —
land pebble, 68% min., bulk, mines	long ton.	1.90 - —
70% min., bulk, mines	long ton.	2.15 - —
land pebble, 72% min., bulk, mines	long ton.	2.40 - —
75% basis, 74% min., bulk, mines	long ton.	2.90 - —
Tenn., 72% bulk, mines	long ton.	4.50 - —
75% bulk, mines	long ton.	5.50 - —
Phosphorus, red, cs.	lb.	.40 - .44
yellow, dms.	lb.	.18 - .20
cases	lb.	.22 - .25
Oxychloride, cyls.	lb.	.15 - .18
Pentoxide, dms., c.l., works.	lb.	.11 - .12
l.c.l., dms., works	lb.	.13 - .14
Sesquisulphide, cs.	lb.	.38 - .42
Trichloride, cyls.	lb.	.15 - .16
Phthalamide, bbls., works, tons,	lb.	.35 - —
single bbls., works	lb.	.40 - —
kgs., works	lb.	.45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R.	lb.	.14½- —
l.c.l., same basis	lb.	.15½- —
Pichi leaves, bgs.	lb.	.10 - .11
Pilocarpine hydrochloride, bots., vls.	oz.	3.25 - 3.75
Nitrate, bots., vls.	oz.	3.15 - 3.65
Pimento, bags	lb.	.16½- .17
Pinkroot, bls.	lb.	.40 - .41
Pitch, burgundy (see B).		
Coaltar, 160° m.p., bbls., c.l., works	ton.	19.00 - —
l.c.l.	ton.	22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron	ton.	23.75 -24.00
Linseed, dms.	lb.	.05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).		
Pine, bbls.	bbl.	6.00 - 6.50
Plaster of Paris (see Gypsum).		
Pleurisy root, Southern, bls.	lb.	.12 - .13
Podophyllin, dms., dlvd. E. of Miss.	lb.	4.50 - 4.70
Poke root, bls.	lb.	.07 - .07½
Pomegranate bark, bgs.	lb.	.52 - .53
Root bark, bgs.	lb.	.47 - .48
Poppy flowers, red, bls.	lb.	.75 - .80
Seed, Dutch, bgs.	lb.	.22 - .23
Turkish, bgs.	lb.	.17½- .18
Potash abietate	lb.	.08 - —
Acetate, tech., bbls., dlvd.	lb.	.26 - —
kgs., dlvd.	lb.	.28 - —
USP, bbls., 250 lbs.	lb.	.28 - —
kgs., 100 lbs.	lb.	.30 - —
cns., 25 lbs.	lb.	.31 - .44
Arsenite, USP, solut., cbys., 100 lbs.	lb.	.11 - —
demj., 50 lbs.	lb.	.12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs.	lb.	.17 - —
kgs., 100 lbs.	lb.	.19 - —
gran., bbls., 250 lbs.	lb.	.17 - —
kgs., 100 lbs.	lb.	.19 - —
Bichromate, spot, c.l., works.	lb.	.08¾- —
6 casks or 10 bbls., or over, works.	lb.	.09 - —
5 casks or 9 bbls., or less, works.	lb.	.09¼- —
Bromide, USP, gran., bbls., 500 lbs.	lb.	.27 - —
fib. dms., 100 lbs.	lb.	.28 - —
Carbonate, calc., dms., c.l., works.	lb.	.06½- —
l.c.l., same basis	lb.	.06¾- —
hydrated, 52-55%, bbls., c.l., works.	lb.	.05½- —
l.c.l., same basis	lb.	.05¾- —
liquid, dms., c.l., works, frt. alld.	lb.	.03 - —
l.c.l., dms., same basis.	lb.	.03125- —
tanks, same basis	lb.	.0275- —
USP, gran., bbls., 325 lbs.	lb.	.14 - —
powd., bbls., 325 lbs.	lb.	.19 - —
kgs., 100 lbs.	lb.	.21 - —
Caustic, flake, 88-92% dom., c.l., works.	lb.	.07 - —
l.c.l.	lb.	.07¼- .07½
import, dms.	lb.	No prices
liquid, 45% basis, dms.	lb.	.03½- .03¾
tanks	lb.	.02½- —
solid, 88-92%, dom., dms., c.l., works.	lb.	.06¼- —
l.c.l.	lb.	.06½- .06¾
import, dms.	lb.	No prices
Chlorate, cryst, kgs.	lb.	.11 - —
powd., kgs.	lb.	.10 - —
Chloride, tech., 98%, cryst., bgs., kgs.	lb.	.04 Nom.

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A National Institution

Potash Chromate—Red, Orange

Potash, chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .32½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, dms., works.....lb. .75 - —
Cyanide, gold, 11% gold, bots., works..oz. 14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., sr cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacolsulphonate, fib. dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.55 - —
cns., 25 lbs.....lb. 3.46 - —
Iodide, bbls., 250 lbs.....lb. 1.20 - —
bots. or cns.....lb. 1.29 - 1.55
dms. .....lb. 1.20 - 1.23
kainit, 20%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports. ton. No prices
Manure salt, dom., min., 30%, K_2O, bulk, ex-vessels, ports. unit-ton. .60 - —
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices

Domestic manure salt prices, basis f.o.b., Carlsbad, N. M., are 11.3c. per unit of K_2O less than the ex-vessel price named above. Prices in bags are $2 per ton higher than bulk prices.

Metabisulphite, kgs.....lb. No price.
Muriate, dom., min., 50% or 62%, K_2O, bulk, ex-vessel, ports..unit-ton. .53½- —
import, min. 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port...unit-ton. Atlantic or Gulf ports. No prices

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices, basis f.o.b. Trona, Cal., are 8c. per unit of K_2O less than the ex-vessel price. Prices in bags are $2 per ton higher than the bulk price.

Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports. ton. No prices
Perchlorate, kgs., works....lb. .09½- .11
Permanganate, tech., dms....lb. .18½- .19
Prussiate, red, bbls.....lb. .45 Nom.
Yellow, bbls.....lb. .17 - .19
Recinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs..lb. .07 - —
Sulphate, NF, cryst., 400 lbs., bbls..lb. .18 Nom.
100-lb. kgs.....lb. .20 - —
powd., 350 lbs., bbls....lb. .19 Nom.
100-lb. kgs.....lb. .21 - —
tech., dom., bgs., basis 90%, K_2SO_4, ex-vessel, ports..ton. 36.25 - —
bulk, same basis.....ton. 34.25 - —
imp., min., 90%, bgs., ex-vessel, Atl. or Gulf ports. ton. No prices
Xanthate, dms., c.l.....lb. .13 - —
Potash-magnesia, sulphate, dom., bgs, 40%, K_2SO_4, ex-vessel, ports..ton. 27.00 - —
bulk, same basis.....ton. 25.00 - —
Potash-soda ferricyanide, dms., works..lb. .36 - .39
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .28 - .30
Prince's pine herb, bls.....lb. .22 - .23
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .75 - .80
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
F and 1, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
O, O-½, O-¾, and ½, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
Ital.-grd., bgs., c.l., ship., ex dock, N.Y..ton. No prices
l.c.l., 5-29 tons, ex whse.. ton. No prices
1,000-10,000 lbs., ex whse. ton. No prices
2 bgs. to 1,000 lbs., ex whse. ton. No prices
single bgs., ex whse..ton. No prices
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless..gal. 4.95 - —
(30 to 1), 3.6% pyrethrin, 55-gal. dms. (incl.), frt. alld., or dlvd., on 15 gals. or more, standard brand, colorless.gal. 7.35 - —
Pyrethrum flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .23 - .24
fine powd. Japan, bbls., ton lots, frt., alld..lb. .25 - .26
Pyridin, denaturing, dms.....gal. 1.71 - —
refd., 2°, dms.....lb. .51 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh ,same basis.....ton. 12.00 - —
No. 3, 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis.....ton. 12.00 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04 - —
tanks, works.....lb. .03½- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04½- —
clarified, 64%, bgs., c.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 51°, bbls..lb. .08½- .09½
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks, (76 lbs. net, dlvd., N.Y..flask. 170.00 -175.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask. 207.00 - —
ex store.....flask. 209.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns..oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —

Subject to surcharge of 7c. per oz.; see note under Quinine.

Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cns.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .60 - —
Citrate, cns.....oz. .78 - —
Dihydrobromide, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydrochlorosulphate, cns....oz. .81 - —
Hydroiodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbonate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Tartrate, cns.....oz. 1.03 - —
Valerate, cns.....oz. .90 - —

Quinine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns.oz. .81 - —

Subject to surcharge of 7c. per oz.; see note under Quinine.

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Dutch, black, bgs...lb. .12 - .13
Japanese, bags.....lb. No stocks
Raspberries, dried, bls.....lb. .60 - .65
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.). Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
kgs., ton lots, same basis, lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
Selenide, bbls., dark, works, lb. 2.70 - —
light, works.....lb. 2.40 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs.....lb. 4.60 - —
cns., 5 lbs.....lb. 4.75 - —
1 lb.....lb. 4.85 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis, alizarin, lake, contracts.lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .22
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.35 - —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls, lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).

Red, oxide, pure, bbls., c.l., works	lb.	.08½	—
l.c.l., works	lb.	.09¼	—
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio	lb.	.08¼	—
80% copperas oxide, bbls., same basis	lb.	.07¾	—
Para, toner, concent., kegs, same basis, alizarin lake, contracts	lb.	.70	—
open order	lb.	.75	—
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.	lb.	.05	—
ex whse., Chicago, St. Louis	lb.	.05¾	—
San Fran., Los Ang., Portland, Seattle	lb.	.05½	—
Phloxin toner (see Red, Eosin toner).			
Phosphotungstic rhodamine Y, kgs.	lb.	3.90	—
Purple lake, kgs.	lb.	.60	1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis	lb.	.03	—
Toner, kgs.	lb.	1.50	2.00
Scarlet ink toner, kgs., same basis, alizarin lake	lb.	.55	—
Lake, kgs., same basis alizarin lake	lb.	.23	.30
Spanish, oxide, bbls., f.o.b. N.Y.	lb.	.04½	—
Toluidine toner, kgs., same basis, alizarin lake	lb.	1.05	—
Tuscan, bbls., f.o.b. N. Y., E. St. Louis	lb.	.11	.40
Venetian, bbls., works	lb.	.0220	—
10%, bbls., works	lb.	.0243	—
15%, bbls., works	lb.	.0265	—
20%, bbls., works	lb.	.02¾	—
25%, bbls., works	lb.	.03	—
30%, bbls., works	lb.	.03¼	—
35%, bbls., works	lb.	.0360	—
40%, bbls., works	lb.	.04	—
Vermilion, Amer., bbls., same basis alizarin lake	lb.	.15	Nom.
quicksilver, bbls.	lb.	3.12	3.17
Red dyes are listed under Dyes.			
Red precipitate, N. F., powd., fib., dms., 50 lbs. or more	lb.	3.06	—
Red saunders wood, ground, bbls.	lb.	.33	—
Resorcinol, tech., 200 lb. dms., frt., alld., E. of Miss.	lb.	.68	—
smaller quantities, works	lb.	.74	—
U.S.P., cryst, 100 lbs., dms., frt., alld., E. of Miss.	lb.	1.80	—
Rhatany root, bgs.	lb.	.12	.14
Rhodinol, bots.	lb.	5.50	10.90
Rhubarb, cs.	lb.	.50	.53
powd., bbls., kgs.	lb.	.52	.55
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't.	lb.	.25¾	—
smaller lots	lb.	.26¼	—
powd., bbls., 5,000 lbs., 1 ship't.	lb.	.24¾	—
smaller lots	lb.	.25¼	—
Rose flowers, pale, bls.	lb.	.45	.50
red, bls.	lb.	2.50	3.00
Rosemary, flowers, bls.	lb.	.45	.50
leaves, bls.	lb.	.09	.10
Rosin, gum, B, bbls, ex dock	100 lbs.	2.10	—
D, bbls.	100 lbs.	2.29	—
E, bbls.	100 lbs.	2.32	—
F, bbls.	100 lbs.	2.32	—
G, bbls.	100 lbs.	2.32	—
H, bbls.	100 lbs.	2.30	—
I, bbls.	100 lbs.	2.32	—
K, bbls.	100 lbs.	2.35	—
M, bbls.	100 lbs.	2.38	—
N, bbls.	100 lbs.	2.44	—
W. G., bbls.	100 lbs.	2.85	—
W. W., bbls.	100 lbs.	3.22	—
X, bbls.	100 lbs.	3.22	—
wood, F.F., spot, bbls.	100 lbs.	1.90	Nom.
Rottenstone, dom., bgs., c.l., f.o.b. mines	ton.	25.50	—
l.c.l., f.o.b. mines	ton.	37.50	—
import, lum, bbls.	lb.	No prices	
powd., bbls.	lb.	No prices	
Rue, bls.	lb.	.30	.35

S

Sabadilla seed, powd., bbls.	lb.	.22	.23
Saccharin, dms., 100 lbs.	lb.	1.45	—
cns., 25 lbs.	lb.	1.48	1.50
Safflower, bls.	lb.	.35	.40
Saffron, Mexican, bls.	lb.	.35	.40
Spanish, tins	lb.	26.00	27.00
Safrol, cns.	lb.	.90	—
dms.	lb.	.85	—
Sage, Dalmatian, stemless	lb.	.65	.70
garden, bls.	lb.	No stocks	
Sago flour, bgs.	lb.	.03½	.04
Salicin, bots., 5 lbs.	lb.	7.04	—
cns., 25 lbs.	lb.	7.00	—
Salol, gran., bbls., 200 lbs.	lb.	.90	—
bxs., 25 lbs.	lb.	.93	—
kgs., 100 lbs.	lb.	.90	—
powd., fib, dms., 25 lbs.	lb.	1.03	—
kgs., 100 lbs.	lb.	1.00	—
Salt, rock, bgs., dlvd., N.Y.	ton.	13.70	—
l.c.l., bgs., dlvd., N.Y.	ton.	15.50	16.10
vacuum, common, fine, bgs., c.l., dlvd., N.Y.	ton.	15.70	—
l.c.l., dlvd., N.Y.	ton.	16.60	19.70
Saltcake, grd., dom., bbls., works,	ton.	24.00	Nom.
bulk, works	ton.	17.00	Nom.
import, bulk, c.i.f.	ton.	20.00	Nom.
Chrome (see Chrome cake).			
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls.	100 lbs.	8.60	9.60
1-9 tons	100 lbs.	8.75	9.75
less than ton lots	100 lbs.	9.00	10.00
gran., bbls., 10-20 tons, 100 lbs.		7.60	—
1-9 tons	100 lbs.	7.75	—
less than ton lots	100 lbs.	8.00	—
powd., bbls., 10-20 tons	100 lbs.	8.60	—
1-9 tons	100 lbs.	8.75	—
less than ton lots	100 lbs.	9.00	—
Santonin, cryst., cns.	kilo.	145.00	150.00
Saponin, crude, cns.	lb.	2.25	2.50
Purified, cns., 25 lbs.	lb.	3.00	3.25
Sarsaparilla root, Honduras, bls.	lb.	.30	.31
Mexican, bls.	lb.	.12½	.13
Sassafras, bark, ord., bls.	lb.	.13	.14
select, bls.	lb.	.20	.21
Savory, bales	lb.	.45	.50
Saw palmetto berries, bgs.	lb.	.08	.09
Scammony root, bgs.	lb.	.07	.08
resin, lump, cns.	lb.	.85	—
powd., bxs.	lb.	.90	—
Schaeffer's salt, bgs.	lb.	.46	—
Seidlits mixture, bbls., 5,000 lbs., 1 shipmt.	lb.	.20¼	—
smaller lots	lb.	.20¾	.23¾
kegs, 5,000 lbs., 1 shipm't.	lb.	.20¾	—
smaller lots	lb.	.21⅛	—
Selenium, pwd. A, 10-lb. tins.	lb.	2.00	—
100-lbs. cases	lb.	1.75	—
Senega root, spot, bls.	lb.	.70	.72
Senna leaves, Alexandria, half leaf, bls.	lb.	.18	.20
siftings, bgs.	lb.	.18	.20
Tinnevelly, No. 1, bls.	lb.	.12	.13
2 bls.	lb.	.10	.11
3 bls.	lb.	.08½	.09
powd., bbls., bxs.	lb.	.12	.13
Pods, bls.	lb.	.09	.10
Serpentaria root, bls.	lb.	.65	.70

Shellac, bleached, bonedry, bbls., f.o.b., N.Y.	lb.	.23	.24
dlvd., Boston	lb.	.23½	.24½
Chicago	lb.	.23¾	.24¾
Pacific Coast	lb.	.26	.27
rfd., bbls., f.o.b. N.Y.	lb.	.29	.30
dlvd., Boston	lb.	.29½	.30½
Chicago	lb.	.29¾	.30¾
Pacific Coast	lb.	.32	.33
Garnet, bgs.	lb.	.18½	.19
Orange, D.C., VSO., Diamond L, cases	lb.	.25	—
Superfine, bgs., f.o.b. Bost., N.Y.	lb.	.14½	.15
dlvd., Chicago	lb.	.15	.15½
Pacific Coast	lb.	.17½	.18
T.N., bgs., f.o.b. Bost., N.Y.	lb.	.14	.14½
dlvd., Chicago	lb.	.14½	.15
Pacific Coast	lb.	.17	.17½
Varnish, Metro. area, orange, 5-lb. cut, bbls.	gal.	1.05	1.10
4½-lb. cut, bbls.	gal.	1.00	1.05
4-lb. cut, bbls.	gal.	.95	1.00
white, 5-lb. cut, bbls.	gal.	1.15	1.20
4½-lb. cut, bbls.	gal.	1.10	1.15
4-lb. cut, bbls.	gal.	1.05	1.10
Prices, dlvd., Boston or Chicago, 10c. per gal. higer.			
Silica, amorhp., dry-grd., 95-97%, 325 mesh, bgs., c.l., works	ton.	17.00	—
l.c.l., 2½ tons, works,	ton.	19.00	—
smaller lots, works.	ton.	20.00	—
wet-grd., 95-97%, 325 mesh, bgs., c.l., works	ton.	19.00	—
l.c.l., 2½ tons, works.	ton.	21.00	—
smaller lots, works.	ton.	25.00	—
95-97%, 400 mesh, bgs., c.l., works	ton.	30.00	—
l.c.l., 2½ tons, works.	ton.	35.00	—
smaller lots, works.	ton.	38.00	—

Silica, amorph., wet-grd., 96-98%, 325 mesh, bgs., c.l., works.	ton.	20.00	—
l.c.l., 2½ tons, wks.	ton.	21.50	—
smaller lots, works.	ton.	23.00	—
99%, 325 mesh, bgs., c.l., works.	ton.	22.00	—
l.c.l., 2½ tons, works.	ton.	25.50	—
smaller lots	ton.	27.00	—
hard-quartz, 99½%, 325 mesh, bgs., c.l., works.	ton.	13.50	—
l.c.l., works.	ton.	18.50	—
140 mesh, bgs., c.l., works.	ton.	11.00	—
l.c.l., works.	ton.	16.00	—
Silver, bullion	oz.	.34¾	—
Govt. purchase, dom., metal.	oz.	.7111	—
Govt. purchase, foreign metal.	oz.	.35	—
Cyanide, cns., 2,500 ozs.	oz.	No prices	
1,000 ozs.	oz.	No prices	
500 ozs.	oz.	No prices	
80 to 100 ozs.	oz.	No prices	
Nitrate, vis.	oz.	.26⅞	—
Nucleinate, lots., cns., 480-oz. lots.	oz.	.30	.31
Proteinate, bots., cns., 480-oz. lots.	oz.	.29	.30
Simarubra barks, bls.	lb.	.30	.35
Skullcap, Eastern, bls.	lb.	.23	.24
Western, bls.	lb.	.14	.15
Skunk cabbage root, bls.	lb.	.11	.12
Slate flour, bgs., c.l., works.	ton.	9.00	—
l.c.l., works.	ton.	10.00	15.00
Sloe berries, bgs.	lb.	.20	.22
Smalt, black, extra velvet, cnts.	lb.	.05	.08
Blue, cnts.	lb.	.07	.08¼

Red Oxide—Soda Ash

Snakeroot, Canada, bls.	lb.	.24	.26
Soapbark, bls.	lb.	.13	.14
crushed, bls., bbls.	lb.	.17	.18
cut, German, bls., bbls.	lb.	No stocks	
dom., bbls.	lb.	.22	.23
powd., bbls.	lb.	.20	.21
Soda, acetate, anhyd., dms., dlvd.	lb.	.08¼	.10
flake, gran., powd., 60%, dms., c.l., dlvd.	lb.	.04	—
l.c.l., dlvd.	lb.	.04½	.05
powd., 90%, dms., c.l., dlvd.,	lb.	.06	—
l.c.l., dlvd.	lb.	.06¾	—
Alginate, dms., bbls., works.	lb.	.39	.70
Antimoniate, bbls., dlvd.	lb.	.14½	.15
Arsenate, dms., dealers, c.l., works.	lb.	.07	.08
l.c.l., dms., works.	lb.	.07¾	.08¾
Arsenite, dry, gray, dms., c.l., dealers, works.	lb.	.06½	.07½
l.c.l., dms., works.	lb.	.07¼	.09¼
white, dms., c.l., dealers, works.	lb.	.08	.09
l.c.l., dms., works.	lb.	.08¾	.10¾

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works.	100 lbs.	1.10	—
l.c.l., Zone 1	100 lbs.	2.13	—
2	100 lbs.	2.28	—
3	100 lbs.	2.53	—
4	100 lbs.	2.93	—

Your plans for '41

ARE IN THE HEADLINES OF TODAY

Inevitably—even if obscurely—today's swift chronicle of events is shaping your plans for 1941. Increasingly urgent in spite of uncertainty, is the need to provide for your raw material requirements. If these include Caustic Soda, Soda Ash, Liquid Chlorine, Bicarbonate of Soda or related products, we believe Columbia can offer you substantial help right now.

Our own record gives dramatic evidence that Columbia products will meet your specifications to the letter. We've led the field, for instance, in the purification of Liquid Caustic Soda by methods exclusive with Columbia. We also originated, and patented the first paint that completely protects Liquid Caustic Soda from metallic contamination during shipment. Along with this practical sort of progress goes continued improvement of *all* Columbia products by one of the Industry's best-equipped laboratories—which also checks our rigid production control system.

Our capacity is large—but definitely *not* unlimited. That's one reason we suggest you call in a Columbia representative *now* for a discussion of your next year's needs. Let him explain how we balance commitments against capacity to make certain that a Columbia contract means you'll get it—and get the best.

COLUMBIA

THE COLUMBIA ALKALI CORPORATION

CAUSTIC SODA • SODA ASH • SODIUM BICARBONATE
LIQUID CHLORINE • MODIFIED SODAS • CALCIUM CHLORIDE

THE COLUMBIA ALKALI CORPORATION

Executive Sales Offices: 30 ROCKEFELLER PLAZA, NEW YORK, N. Y. • *Plant:* BARBERTON, OHIO

CHICAGO • BOSTON • ST. LOUIS • PITTSBURGH • CINCINNATI • CLEVELAND • MINNEAPOLIS • PHILADELPHIA

Soda, Ash—Thiamine Hydro.

Soda, ash, dense, 58%, bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works.....100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. — - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.35 - —
bbls., l.c.l., Zone 1..100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works..lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11½- .12
Bisulphite, powd., bbls., c.l., bbls., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber dms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. 6.00 - —
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process,
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works, 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works, 100 lbs. 2.00 - —
solid, 76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .06½
Chromate, spot., c.l., works..lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08¾- —
smaller quantities.....lb. .08¾- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
USP XI, powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. No price
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Soda, fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .20 - .22
Hypophosphite, N. F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd...100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works, 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.53 - 2.67
Mandelate, dms., 100-lb. dms.lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equal'd..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis.. 100 lbs. 4.80 - —
1-2 dms., same basis.. 100 lbs. 5.05 - —
gran., bbls., c.l., works....lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, Oct.-June, rail or boat shipment..ton.29.40 - —
200-lb. bgs., same basis...ton.28.70 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons.... 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized, lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, flake, dms., c.l., works..100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
400 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works...100 lbs. 2.85 - —
bgs., c.l., works...100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt. equal'd..100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y....100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1...100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd. N. Y. C., lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
Soda, silicate, 52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. No prices
import, bbls.....lb. .08½ Nom.
Stannate, dms.....lb. .33½- .36½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, bbls., dms...lb. .27 - .31
Sulphocyanide, dms., cns.....lb. .28 - .47
Sulphhydrate, liquid, 38°, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works..lb. .06 - —
tanks, works.....lb. .04½- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15¼- —
smaller lots, works.....lb. .15¾- —
Soybean protein, bgs., c.l., works, lb. .12 - —
l.c.l., works.....lb. .12¼- .15
Sparteine sulphate, cns.....oz. 1.50 - 1.60
Spearmint leaves, bls.....lb. .30 - .31
Spikenard root, bls.....lb. .17 - .18
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works.....lb. .01¾- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, white, bls.....lb. No prices
powd., bbls., bxs.....lb. No prices
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .12 - .13
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.90 - —
dlvd., N. Y.....100 lbs. 3.25 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.00 - —
dlvd., N. Y.....100 lbs. 3.35 - —
Potato, dom., bgs.....lb. .05 - .06
import, bgs.....lb. No price
Rice, bbls.....lb. .07½- .08½
Sweetpotato, bgs.....lb. .06¼- —
bbls. .....lb. .07 - —
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed. bgs.....lb. .35 - .40
Stearin, oleo, bbls.....lb. .06¼ Nom.
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .75 - .80
Stramonium leaves, bls.....lb. .35 - .40
Seed, bgs.....lb. .30 - .35
Strontium bromide, dms.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 90-100%, precip., bbls., lb. No prices
Chloride, tech., bbls.....lb. .20 - —
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over...lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Strolyl acetate, bots.....lb. 3.10 - 3.20
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
flowers, bgs., c.l., works.100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works....100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., wks., 100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 1.98
bbls., works.....100 lbs. 2.30 - 2.70
Sulphur, refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.35 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works..200 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.55 - 3.95
heavy, bgs., c.l., works.. 100 lbs. 2.55 - —
bbls., works.....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works.....100 lbs. 3.25 - 3.65
light, bgs., c.l., works.100 lbs. 2.65 - —
bbls., works.....100 lbs. 3.00 - —
l.c.l., bgs., works..100 lbs. 3.00 - 3.40
bbls., works.....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works..100 lbs. 2.50 - 2.90
roll, bgs., c.l.....100 lbs. 2.35 - —
bbls., works.....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.75 - 3.10
bbls., works.....100 lbs. 2.85 - 3.25
rubber maker's, com'l, 99%, c.l., frt. alld..100 lbs. 2.00 - —
bbls., same basis, c.l., 100 lbs. 2.25 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l....lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liquid, com'l, cyls., work..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
Extract, 42°, bbls.....lb. .06 - .06½
51°, bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06½- .07
medium, bgs.....lb. .06 - .06½
poultry, bgs.....lb. No stocks
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 40-48%, a.p.a., bulk, f.o.b. Balto..unit-ton. .68 - —

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Talc., dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills..ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -18.00
96-98%, 325 mesh, c.l., mills, ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake, type grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills, ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No price
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse.....ton. No prices
2, bgs., ex dock, arrival.ton. No prices
Tallow, extra, loose.....lb. .04¼- —
special, loose.....lb. .04¼- —
sulphonated, 85% (24% fat), dms., c.l..lb. .03¾- —
l.c.l. .....lb. .04¾- —
50% (43% fat), dms., c.l., lb. .05¼- —
l.c.l. .....lb. .06¼- —
50% (48% fat), dms., c.l..lb. .05¾- —
l.c.l. .....lb. .06¾- —
Tamarind, No. 1, bbls.....lb. .06 - .07
Kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y. unit-ton. 2.50 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.65 and 10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 2.50 & .10
high-grade bulk, Chicago, unit-ton. 2.65 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f., ports, Oct. shipt. 2.60 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .03 - .05
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. .65 - .70
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
powd., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
USP, powd., bbls.....lb. .40 Nom.
Terebene, cans.....lb. .75 - .85
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bgs.....lb. .60 - .66
Terpineol, CP, cns.....lb. .26 - —
dms. .....lb. .23 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks lb. .08 - .08¼
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .18 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.90 - 3.00
Sodiosalicylate, cns.....lb. 2.15 Nom.
dms. .....lb. 1.95 Nom.
5-lb. bots.....lb. 2.31 - 2.36
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works..lb. 2.00 - —
Thyme, French, bls.....lb. .50 - .52
Spanish, bls.....lb. .13½- .14½
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns. 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo, root, powd., 4% rotenone, bbls..lb. .18 - .24
5% rotenone, bbls.....lb. .22 - .30
Thiamine hydrochloride, cns.gram. .98 - 1.00

Tin chloride (cus), anhyd.....lb. .48 - .48½
Crystals, bbls., kgs.....lb. .39 - .39½
Metal, Straits.....lb. .51⅝- —
Oxide, bbls.....lb. .54 - .56
Tetrachloride, anhyd., bbls...lb. .25½- —
Titanium, dioxide, bgs., c.l., (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd..lb. .13¼- —
Pac. Cst., ex whse....lb. .13¼- —
1,000-9,999 lbs., E. frt. pd. lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
50-999 lbs., E. frt. pd...lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
under 50 lbs., E. frt. pd.lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
bbls., c.l. (20 tons), frt. pd..lb. .13½- —
l.c.l., 5 tons, E. frt. pd...lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
1,000-9,999 lbs., E. frt. pd., lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd...lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk resistant, bgs., c.l. (20 tons), frt. pd..lb. .15 - —
l.c.l., 5 tons, frt. pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd.lb. .15½- —
50-999 lbs., frt. pd....lb. .15¾- —
Under 50 lbs., frt. pd..lb. .16 - —
bbls., c.l., (20 tons), frt. pd. lb. .15¼- —
l.c.l., 5 tons, E. frt. pd.lb. .15½- —
Pac. Cst., ex whse..lb. .15½- —
1,000-9,999 lbs., E. frt. pd..lb. .15¾- —
Pac. Cst., ex whse..lb. .15¾- —
50-999 lbs., E. frt. pd.lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
high-hiding, bgs., c.l. (20 tons), frt. pd..lb. .14 - —
l.c.l., 5 tons, frt. pd....lb. .14¼- —
1,000-9,999 lbs., frt. pd. lb. .14½- —
50-999 lb., frt. pd.....lb. .14¾- —
bbls., c.l. (20 tons), frt. pd..lb. .14⅛- —
l.c.l., 5 tons, E., frt. pd. lb. .14½- —
Pac. Cst., ex whse. lb. .14½- —
1,000-9,999 lbs., E. frt. pd..lb. .14¾- —
Pac Cst., ex whse. lb. .14¾- —
50-999 lbs., E. frt. pd. lb. .15 - —
Pac. Cst., ex whse. lb. .15 - —
barium or magnesium base, bgs., c.l., D. frt. alld..lb. .05½- —
l.c.l., divd.....lb. .05½- —
Pac. Cst. ex whse....lb. .05½- —
under 50 lbs., E. divd.lb. .06¼- —
bbls., c.l., D., frt. alld..lb. .05½- —
l.c.l., E., divd.....lb. .05⅝- —
Pac. Cst., ex whse...lb. .05⅝- —
under 50 lbs., E. divd.lb. .06¼- —
calcium base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., divd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., F. divd.lb. .06 - —
bbls., c.l., D., frt. alld.....lb. .05½- —
l.c.l., E., divd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. divd.lb. .06¼- —
Tolidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. .80 - .85
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .33 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F. bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l., same basis.....lb. .07½- —
tanks .....lb. .06½- —
Tributyl citrate, ton lots, 475 lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Phosphate, dms., l.c.l., divd., lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - —
l.c.l., same basis.....lb. .07½- —
tanks .....lb. .06½- —
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., divd..lb. .40½- .51½
dms., c.l., divd.....lb. .34½- —
Tricresyl phosphate, tech., dms., 2° -
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .26½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500 lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Triethyl phosphate, dms., divd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., divd.....lb. .50 - —
Trimethylamine, drus., c.l., divd., lb. 1.00 - —
l.c.l., divd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .32 - —
Tripoli, air-floated, bgs., c.l., works, ton.26.00 - —
double grd., bgs., c.l., works ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem., grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs...lb. .07½- .08
Madras, bgs.....lb. .07½- .08
Turpentine, spirits, gum, bbls., c.l. ex dock..gal. .43¾- —
l.c.l., 10 ex dock.....gal. .45¾- —
5 ex dock.....gal. .47¾- —
wood dest., dist., dms., c.l., dlvd. E. ports..gal. .26 - —
l.c.l. .....gal. .28 - —
tanks, dlvd. E. cities...gal. .21 - —
steam-dist., dms., c.l., dlvd.gal. .36 - —
l.c.l., dlvd.....gal. .39 - —
tanks, dlvd.....gal. .31 - —

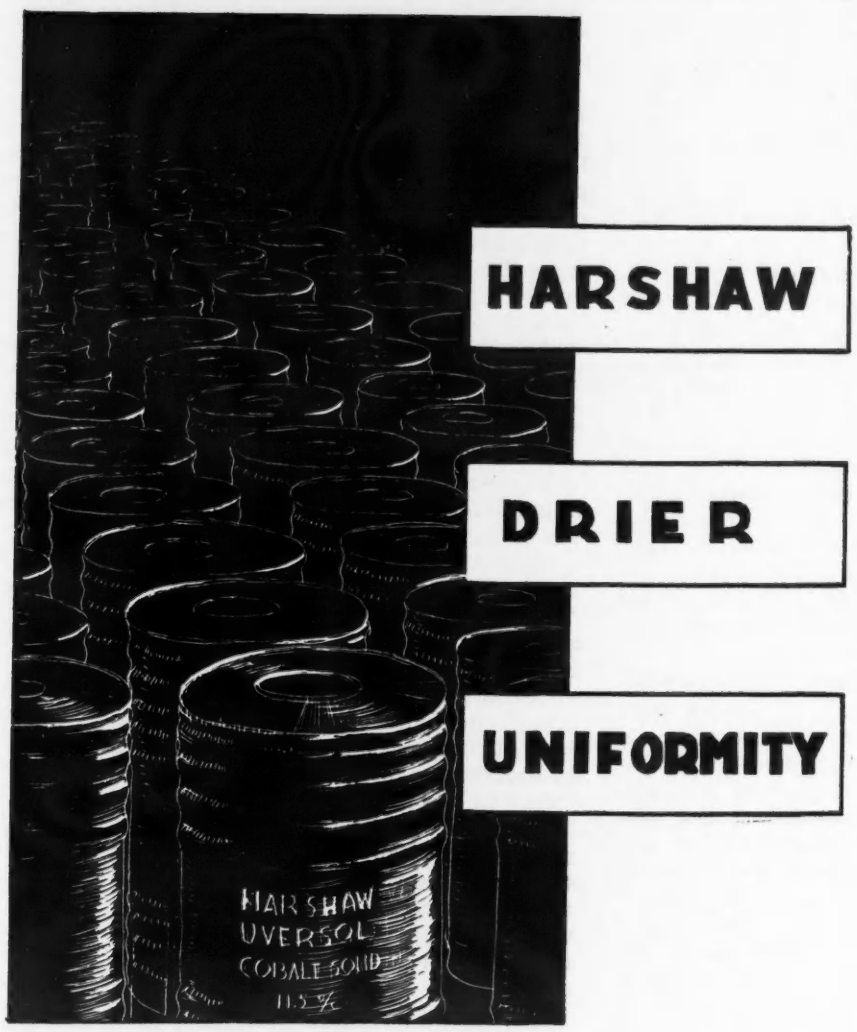
U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs....lb. 2.65 - 3.05
yellow, kgs.....lb. 1.75 - 2.00
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N.C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.85.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.85.00 - —
smaller lots, f.o.b. Newark, New York, Philadelphia, ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.85.00 - —
Import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton. No price
40% N., bgs., smaller lots, f.o.b. N. Y. from whse. ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports ton.57.40 - —
bags, same basis.....ton.59.40 - —
45% N., tanks, f.o.b. Belle, W. Va., or Atl. Gulf ports, ton.121.58 ——
basis 37% N (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports.....ton.127.00 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .80 - .85
Valonia, beards, bgs., f.a.s...ton. No price
cups, bgs., f.a.s.....ton. No price
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins...lb. 8.25 Nom.
Mexican, tins.....lb. 8.25 Nom.
cuts, tins.....lb. 8.00 Nom.
South American, tins.....lb. 8.25 Nom.
Tahaiti, tins.....lb. 3.75 Nom.
oleoresin, bots.....lb. 18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs.....lb. 1.05 - 1.10
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.h.

—Continued on page 40



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Toluol and Tomorrow

Among the frontiers of progress envisaged and indicated by those who have not lost faith in the United States is "a vast new chemical industry waiting development." Needless to say it is not a chemist nor a chemical industrialist who makes this prediction; albeit there is no lack of faith on the part of these in the future and its opportunities for the application of chemistry to industry. Their optimism, however, is tempered with unescapable economic facts indicative of the necessity that chemistry must displace at least as much as it can initiate.

So it is that those who look beyond the day's end are beginning to wonder what lies in tomorrow for the expansions which today's necessities demand. These point to toluol as one example of a material expansively essential in the program of defense; expansively to be produced by the enterprise of the petroleum industry, at no small expense in preparation; and in the recent past shrinking in economic importance. What of its tomorrow? they ask. Is there nothing there but a need to find new occupation for the costly plants which are now projected?

The price of toluol was boosted to $6 a gallon in 1918. It is not today, so transpiring secrets indicate, a so important munition. But, it is needed. The big question is: How much is needed—where? Toluol is now 27 cents a gallon: cheaper than it was two years ago, because of increased competition on the part of petroleum derivatives, not, however, suitable to replace it in munitions.

Is the tomorrow of toluol to be a day of idle plants in one producing industry or the other? Or can it be assured stability by the readjustment of today's practices so that currently available toluol be reserved for munitions purposes and industrial needs be met with currently available petroleum solvents? Would that assure the tomorrow of toluol? Not against the new competition, but against sacrifice to emergency. Men who are drafted for selective service must be restored to their normal employment. Why not materials?

Effects of Draft on Business

The withdrawal of several hundred thousands of men from their normal walks and functionings in life to the selective training that is to start next month will affect business from two angles. It will remove a certain number of men from the activities of production and distribution; it will materially change the status and the value of a greater number of men as consumers.

The problem which faces business is not alone the much-discussed one of what the draft will do to workers; it comprises also what it will do to those who require and eventually pay for all work. The solution of the problem; that is, the finding of the means of practically meeting it, requires searching for the net effect the draft will have through a certain large group of men on the aggregate volume of consumption in comparison with the labor necessary to take care of it.

That solution cannot be fully arrived at without a greater degree of knowledge of what will be done with the thousands of draftees over the original period of their service and whether that period will be extended because the emergency will have become more serious. The solution must be looked at, however, with concern for something more than whether this or that employee will be called and what is to be done for him when he comes back and whether anything should be done for him during his period of training. The other angle from which the situation must be viewed is an economically broad one. Its degree is measured by the value in purchasing power to a community of its group of draftees, because the supplying of the needs, curtailed as they may be, of these men in food, clothing, and shelter will no longer be a source of income for the business men of the community.

On the other hand, the absence of these men from their community will reduce by that much the need for local workers in distribution, and the centralized providing of their needs will shift production of the goods required from customary and to an extent nearby sources and doubtless will effect a reduction in the aggregate number of production workers required because the centralization will best be served by mass production.

So, the draft will take so many men out of the work of business and so many (a larger number) out of the support of business. Those who would know what will be the effects of the draft on business as a whole must balance these two influences. It is arithmetically reasonable to expect that they will find that business is more affected by the change on the consumer side.

—O-P-D—

It Pays to Advertise

National advertisers, meeting in annual convention last week, were in large degree expectant of a continuation of good business. It was the consensus of their expressed intention, therefore, that advertising would be still more extensively used in the coming months.

There was another reason—it was not emphasized—for some of the intention to increase advertising expenditures. The expected better business, it was felt, would result in heavily taxable additions to incomes, and the belief was that this money could be put to a use that was preferable to the paying of superimposed taxes.

More good will be done by a dollar kept in normal circulation than by that dollar if it is routed through governmental channels. And less abnormal spending will be necessary. Money spent in hiring men for production or mediums for promotion is profitably employed.

—O-P-D—

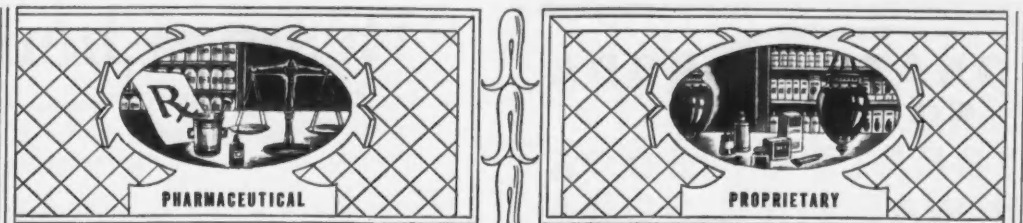
Goals for Research

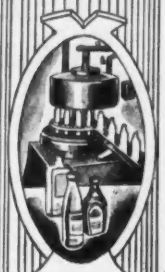
When and where educators and "pure" scientists convene almost always is heard some bewailing of the failure of industry adequately to enlist the facilities of research. When and where industrialists gather there is almost always interrogation as to why educational institutions do not fit their graduates for practical business positions and why neither schools nor their scientific graduates appear to be able to recognize what they could do for industry. When the conversation on this universal topic is among practical production men its tenor usually is along the lines of how can this or that be done. And then comes along a "lucky" discovery; or somebody arises in public to ask why nobody has invented a typewriting machine which will turn out letters from direct oral dictation with a Harvard, Georgia, or Brooklyn accent.

So, the puzzle of what is research—and why—grows more complex, and its complexity increases with every meeting of chemists or engineers or even of the American Society for Testing Materials or the American Association for the Advancement of Science. Research, it has aptly been said, speaks for itself—but it speaks a language which is all things to all men and nothing to most individuals.

It is clear on all sides that there is a great need for some agency by means of which the needs of industry and the potentialities of research may be coordinated: the wild idea of the inventor and the dream of the promoter be mated in practical production. Recognition of this need led to the establishment of Research Advisory Service, and this agency has set out to tell those who do research what industry desires research to do. Its first endeavor in this very necessary field of information has brought forth almost 600 industrial wants which research or invention, or assiduous perusal of the literature, or stumbling luck, jointly or severally, assumably, or at least probably, can fill. These wants are in many fields, from adhesives to wood. There are enough of them to provide bases for all the Ph.D. theses of several years to come.

Some thirty of these items in the field of paints and related products and other sorts of finishes constitute one list which was printed in the REPORTER last week. In this week's number there is another list of fifty-odd in the category of general chemical materials and processes. Others will be printed in subsequent issues. These items offer goals for research endeavors. Some of them offer possibilities of substantial remuneration. Some of the items doubtless are available in some degree of completeness. The REPORTER will be pleased to get information in such respects which it can pass along via Research Advisory Service to those who have told research what it can do for them.





A Tribute to the Packaged Food Industry

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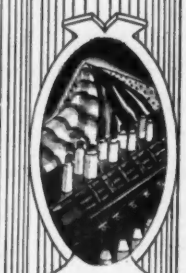

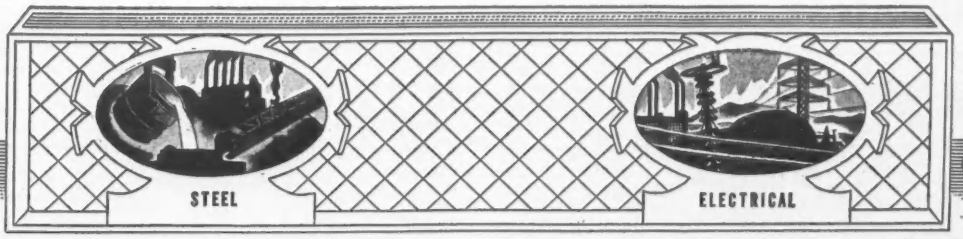

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Heavy Chemicals

Bleaching Powder, Potash Carbonate and Caustic Extended —Ammonia Bicarbonate and Carbonate Schedules Revised —Ammonia Aqua in Drums Unchanged—Fluorspar Lower

Announcements concerning 1941 contract prices featured the market for heavy chemicals last week. One seller will offer contracts, beginning October 28, for aqua ammonia in drums covering 1941 requirements at unchanged levels. Carbonate and caustic potash prices have been released for next year on the same basis. Bleaching powder schedule will show no change. Nationwide prices, effective November 1, have been issued for ammonia carbonate and bicarbonate. New schedule reflects adjustments as result of changed freight costs.

Business was maintained at steady levels in practically all major chemicals. Withdrawals against contracts were reported in good volume. Sellers were engaged in writing contracts for next year's requirements, and with prices showing no upward trend, despite higher raw material and production costs, little difficulty was expected to be encountered. The release of next year's schedules on important chemicals will continue to make their appearance from now on.

Business in sal ammoniac has been very satisfactory so far this year. Sales were well ahead of a year ago, however, some decline was looked for during the final quarter as compared with a year ago, when heavy domestic and export demand brought about a very tight situation in the market. Dry battery manufacturers exerted a good interest, while call for galvanizing was steady. Most of the export business has subsided. Imports have not been much of a factor in recent months, and only scattered shipments have reached this country.

Alums.—Movement steady. Prices lacked change, and tone was firm.

Alumina Hydrate.—Steady to firm price tone, with interest moderate.

Alumina Sulphate.—Domestic and export demand good. Prices firm.

Ammonia Aldehyde.—Dealings routine. Prices failed to change.

Ammonia, Anhydrous.—Interest was shown in the announcement by one leading producer in offering contracts beginning November 25 to cover 1941 requirements at prices 1½c. below the schedule.

Ammonia, Aqua.—A leading producer will offer contracts October 28, without change, to cover buyers' 1941 requirements in drums. Demand steady.

Ammonia Bicarbonate.—Nationwide prices, effective November 1, 1940, have been issued by one producer for large and small drums. New schedule reflects adjustments as result of changed freight costs. Contracts for 1941 will be offered beginning November 15. Prices in New York 8 points higher, ranging from 5.64c. to 6.14c. per pound.

Ammonia Carbonate. — Nationwide prices, effective November 1, 1940, released by leading producer in large and small drums and 5 pound cans. Contracts offered for 1941 beginning November 15. Drum prices in Metropolitan New York for lump range from 8¼c. to 9¼c., and containers 14¼c. per pound. Powdered 1c. per pound higher.

Ammonia Fluoride.—Buying continued narrow. Prices without change.

Ammonia Molybdate.—Fair interest, with quotations well maintained.

Ammonia Nitrate. — Prices unchanged and firm. Business steady.

Ammonia Perchlorate.—Selling restricted. Market position tight, and prices nominal.

Ammonia Persulphate.—Call was modest, and prices failed to change.

Ammonia Phosphate. — Prices unchanged and firm. Transactions routine.

Ammonia Oxalate.—Firm price tone, with trading confined to regular channels.

Ammonia Silicofluoride. — Market position firm, and inquiries moderate.

Ammonia Sulphide.—Dealings moderately active, and prices without alteration.

Ammonia Sulphocyanide.—Business was only fair, and prices firm.

Ammoniac Sal.—The tone of market held firm, and shipments were steady.

Antimony. — Domestic spot metal unchanged. Small lots made up the call.

Antimony Needle.—Market position tight, and prices firm at levels established previously.

Antimony Oxide. — Buying routine. Prices steady to firm.

Arsenic.—Movement of white moderate and prices firm. Stocks of red negligible.

Barium Carbonate.—No new price developments. Demand moderate.

Barium Chlorate.—Supplies limited, and selling restricted. Prices nominal.

Barium Chloride.—Withdrawals irregular. Quotations without change.

Barium Dioxide.—Fair demand, and nothing new occurred in the prices.

Barium Hydrate.—Steady to firm price tone prevailed, with transactions fairly steady.

Barium Nitrate.—Market firm, and prices well sustained. Selling confined to regular sources.

Bleaching Powder.—A leading producer extended prices to 1941 on same basis, subject to usual quarterly adjustment. Domestic and export business only fair.

Calcium Acetate.—Buying routine. No change disclosed in the prices.

Calcium Carbide. — Fair demand. Moderate export inquiry. Prices unchanged and firm.

Calcium Chloride.—Seasonal factors prevented any broadening in business,

Price Changes

Advanced

None

Reduced

Flurospar, dom., No. 1 ground, $3.00 per ton.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
155.9	155.9	154.1	149.4

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.6	99.0

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Pest Control Association, Oct. 28-30, Indianapolis.

but volume was sufficient to keep market in satisfactory position.

Calcium Phosphate.—Shipments routine. Prices steady to firm.

Calcium Sulphide.—New business lacked expansion, prices remain the same.

Carbon Bisulphide. — Commitments steady. Prices rule unchanged.

Carbon Dioxide.—Buying moderately active. Quotations firm.

Carbon Tetrachloride.—The call was fairly steady, and prices underwent no change.

Chlorine.—Good demand. Market position firm, and prices unchanged.

Chrome Cake. — Routine interest against contracts. Prices unaltered.

Cobalt Oxide.—Selling limited and supplies light. Prices much higher in outside market.

Copper. — Producers price unchanged at 12c. Customer smelters and outside price 12¾c. per pound. Export market 11c. per pound. Selling continued restricted.

Copper Carbonate.—Firm price tone, with commitments moderate.

Copper Oxide. — Inquiries fairly steady, and shipments moderate. Prices rule firm.

Copper Sulphate.—Shipments moved to commercial channels steadily. Market position firm, and prices well sustained.

Copperas.—Sellers limit offerings to normal consuming channels. Prices firm and unchanged.

Ethyl Chloride.—Commitments routine Prices remain the same

Feldspar.—Steady to firm price tone, with replacement buying moderate.

Fluorspar.—Price for domestic No. 1 ground in bulk $3.60 lower at $29 per ton. Demand moderately active.

Glauber's Salts.—Withdrawals fairly steady, and prices without change.

Lead Acetate.—Quotations firm and unchanged. Buying routine.

Lead Nitrate.—Business spotty and prices firm.

Lime.—Movement steady in most directions. No word was heard concerning price revisions.

Magnesite. — Market fully retained its firm position and demand was good.

Manganese Dioxide. — Transactions routine against contracts. Prices rule firm.

Nickel Salts.—Steady interest and prices remain firm.

Phosphorus.—Good inquiry for red, with offerings limited. Fair demand for yellow. Prices firm.

Potash Carbonate.—Prices extended to 1941 on various grades on same basis, subject to usual adjustments. Business steady.

Potash, Caustic. — Sellers accepting contracts for 1941 at current levels. Shipments to major consuming industries continued good.

Potash Chlorate.—Offerings restricted to regular channels. Prices unchanged and firm.

Potash Cyanide. — Domestic price firm and inquiries moderate.

Potash Perchlorate. — Dealings routine. Prices well sustained.

Potash Permanganate. — Buying steady from usual channels. Prices continued firm.

Salt.—A steady demand was reported from basic consuming channels. Prices were firm.

Saltcake. — Domestic market in strong position in absence of any sizable imports. Prices nominal.

Saltpeter.—Shipments moved at a moderate pace, with some export inquiry. Prices firm.

Soda Acetate. — Commitments remain routine and prices lacked any change.

Soda Antimoniate. — Fair interest. Pricewise no change occurred.

Soda Ash.—No word concerning next year's prices. Shipments were fairly steady in most directions.

Soda Bicarbonate.—Steady to firm price tone. Takings along moderate lines.

Soda Bifluoride.—Business failed to broaden, but prices were well maintained.

Soda Bisulphite. — Some spottiness in the demand, but prices continued steady to firm.

Soda, Caustic. — Buying held at steady levels against contracts. Moderate export inquiry. Prices without change.

Soda Chlorate. — Market position firm, and shipments confined to regular channels.

—*Continued on page* 30

Chemical Materials Asked of Research

—*Continued from page* 3

oxidizing, saponifiable oil for wool lubrication.

13. Vegetable fibers tend to dry out and become brittle with age, shortening the life of brooms and whisks. Because these fibers are cellular with highly impervious walls, we have not been able to introduce hygroscopic solutions into them to keep the fibers moist. A successful method of accomplishing this would greatly improve our products.

14. If a dry-cleaning solvent could be developed that would be noncorrosive, present no fire hazard, be not too volatile and not too expensive, the dry-cleaning industry could use it to very good advantage.

15. The production of montan wax in the United States—now dependent on imports from Germany. Here is a golden opportunity for promotion of a new American industry.

16. A material which, when incorporated into soap, would permit the latter's use in hard water without scum formation.

17. The most valuable product to the shoe polish industry would be a substitute for carnauba wax.

18. A selective solvent for hair with but minor effect upon the skin, to replace the more vigorous depilatories. Such a solvent might also be used in the manufacture of adhesives and artificial fibers from hog hair.

19. A safe, low-cost solvent for the extraction of fats and oils would be valuable to the rendering industry.

20. *One of the greatest needs in water-conditioning is a product or method to remove neutral dissolved salts, such as sodium chloride and sodium sulphate.

21. A method for recovering emulsified greases from sewage.

22. Among the most valuable discoveries based on economic importance would be a process for converting wood into sugar. Chemically, the step is not a big one. If it materially reduced the cost of suger, it might influence the cost of alcohol-gasoline.

23. *A process whereby materials, such as lumber, etc., used in building would be made noninflammable.

24. Solution in which lumber could be dipped which would preserve it from decay and insects. There is creosoting under pressure, but a cheaper method would be a great step forward.

25. A chemical for deleting type errors from film so that corrected units might be inserted without distorting the original.

26. A substance is needed in the treatment of water which is harmless, tasteless, and odorless, that will combine with chlorine to reduce its taste, will continue the activity of chlorine for a longer time than when used alone, and not be a bacterial food.

27. Method of removing oil from ammonia in refrigerating systems. The oil vaporized or atomized in the compressor is usually too finely divided to be removed by any of the present day oil separators, and when these mere traces of oil accumulate, the insulating effect becomes a serious problem.

28. A cheap noncorrosive antifreeze for use in shipments of wet coal during the Winter season.

29. Synthetic processes for manufacture of hydrocarbons by means of hydrogenating anthracite coal.

30. Synthetic process for producing carbohydrates and hydrocarbons from the air.

31. Pure hydrocarbons, particularly normal paraffins and normal alpha-olefins both in range of C_5 to C_{20} or even C_{25}.

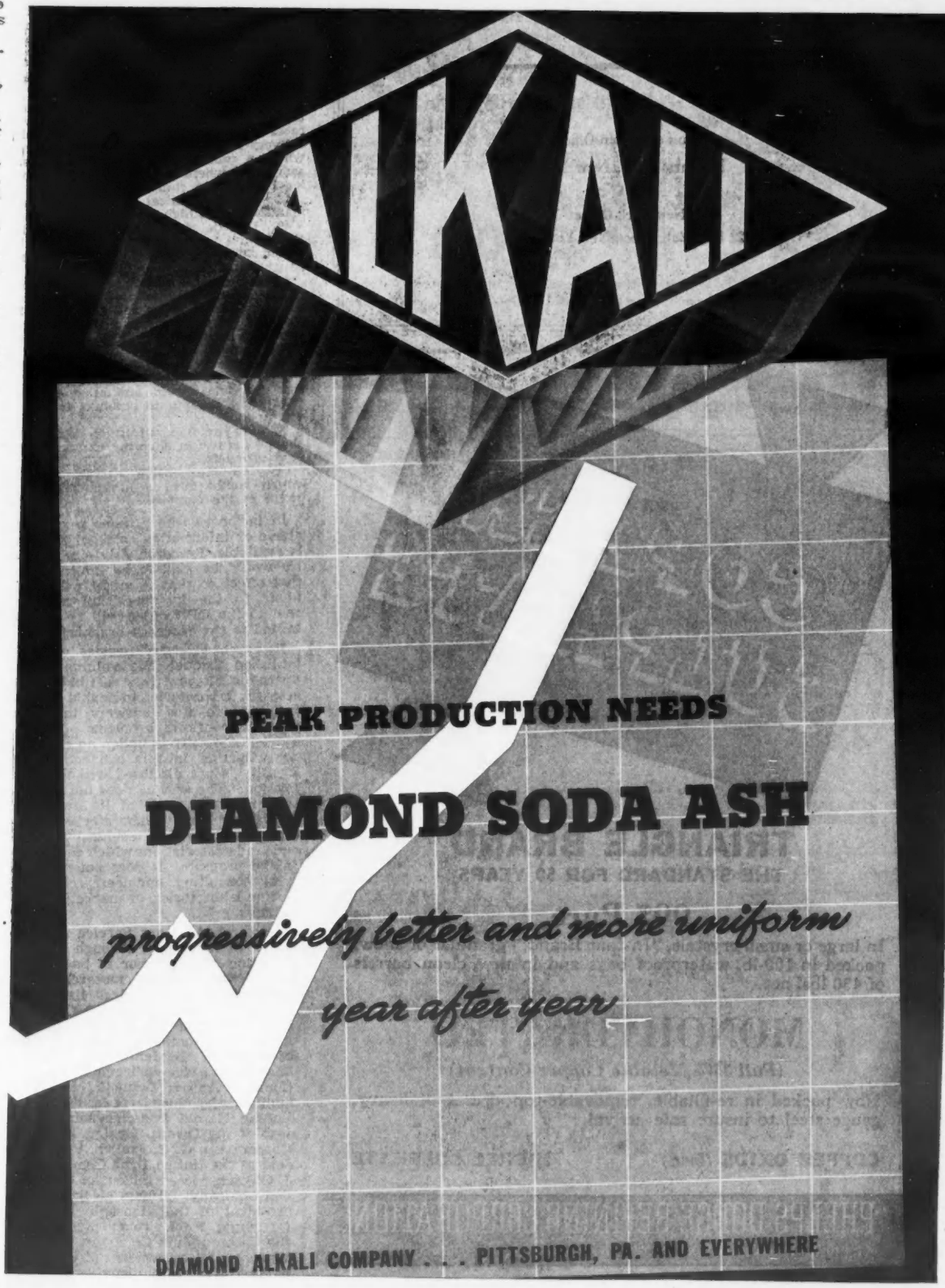
32. Noninflammable binder for glass insulation.

33. Noninflammable insulating fluid having dielectric characteristics and heat-dissipation qualities of mineral oil for use in transformers, oil switches, and condensers.

34. The scale industry needs a chemically inert, mobile liquid which does not expand or contract appreciably when subjected to the ordinary climatic range.

35. A confining liquid for gas analysis equipment, inert to the gases, nonabsorbent and noninjurious to the operator or equipment, having very little affinity for the materials of the equipment.

36. A noninflammable liquid for trans-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former insulation which would not give off chlorine under arcing.

37. A generally applicable material for dissipating static electricity from paper, driving belts for machinery, artificial silk, etc.

38. An element or compound suitable for binary vapor power cycle to replace mercury.

39. A noninflammable liquid for oil circuit-breakers.

40. A defoaming preparation standardized so as to be effective over some recognized basis of classification, such as pH range of mediums to be corrected.

41. The rubber industry needs an antioxidant which would not discolor white and light-colored stocks.

42. A noninflammable arc-quenching liquid having the electrical insulating property of transil oil, which does not decompose and liberate noxious or corrosive vapors.

43. A means of purifying talc to remove iron oxide.

44. There is a tremendous consumption of paraffin in the manufacture of bread wrappers, carton wrapping papers, etc. If a product could be developed which would afford greater moisture-proofness than paraffin, afford a surface that would be harder so that it would not have that greasy feel, and would not collect dust like paraffn, it would have a large market in the packaging industry.

45. An American source of tartaric acid for use in foods.

46. We are making gypsum with a compressive strength up to 10,000 pounds per square inch and a water absorption in twenty-four hours as low as 5 percent, but we need a permanent integral waterproofing that will not interfere with the compressive or tensile strength, nor the time of set.

47. Dry ice is now being used in a very limited way because no means have been found to properly control it. If properly controlled, it would be invaluable for use in railroad cars, trucks, small showcases where refrigeration is impractical, delivery cases, and many other instances where a reliable refrigeration is necessary, but where mechanical means of ice become too cumbersome.

48. An economical method for the manufacture of high-carbon ferrochrome.

49. Liquids of varying specific gravities from 1 to 50 for use in place of oil, water, and mercury in flow meters, level gauges, and similar equipment.

50. An organic nickel or cobalt compound soluble in gasoline and stable in the presence of water and aminophenol.

51. A way to make metallic magnesium from the oxide rather than from the initial salt of magnesium chloride.

52. A chemical substitute for saponin would be welcomed by manufacturers of soda fountain syrups and other industries using saponin to obtain a creamy, foamy top.

53. A nontoxic substitute for ethyl alcohol for use in flavoring extracts and food products.

54. An inexpensive abrasive grain which would have a hardness in the range of the diamond.

In instances where items requested above or information relevant thereto is available, Research Advisory Service would be glad to be informed to that effect so that it might pass this along to the inquirer. Information sent to the OPD office will be transmitted to the research organization.

Research Advisory Service was established through the voluntary cooperation of more than 800 industrial research laboratories to enable manufacturers to find answers to their practical working problems. An inquiring company is under no expense or obligation in this connection; its identity is not disclosed without permission. The service does not undertake research work of its own, but refers problems to laboratories in industry, universities, technical schools, and trade associations which cooperate in the program. It does not compete with consulting engineers, chemists, testing laboratories, or marketing consultants.

Research Advisory Service is maintained in large part through the cooperation of a number of banks. In its recent survey of research needs the service acknowledges its appreciation of the assistance given by E. R. Stettinius, jr., member of the Advisory Commission to the Council of National Denfense; Dr. Thomas Midgley, jr., vice-chairman of the National Inventors Council; and by a number of industrial executives, including Harold Boeschenstein, president of the Owens-Corning Fiberglas Corporation; G. C. Frolich, vice-president of the United Drug Company; W. J. O'Brien, vice-president of the Glidden Company; William M. Rand, vice-president of the Monsanto Chemical Company; F. J. Tone, president of the Carborundum Company, and A. J. Wadhams, vice-president of the International Nickel Company.

Heavy Chemicals

—Continued from page 29

Soda Cyanide.—Shipments retained at good levels. Prices held firm.

Soda Fluoride.—Interest only fair. Nothing new occurred in the quotations.

Soda Hydrosulphite.—No change in the prices. Buying fairly steady.

Soda Metasilicate. — Transactions moderately active. Prices firm.

Soda Nitrite. — Demand steady. Prices lacked change and tone was firm.

Soda Phosphate.—Consumers made necessary replacements as a rule. Prices unchanged.

Soda Pyrophosphate. — Withdrawals from large consumers continued at satisfactory levels. Prices failed to change.

Soda Silicate.—Demand well diversified, and position of market was one of firmness.

Soda Silicofluoride.—Good inquiry, and shipments steady. Market position position tight.

Soda Stannate. — Business fairly steady. Prices were unchanged, and tone steady to firm.

Soda Sulphide. — Demand steady. Prices remain firm.

Soda Sulphite.—Shipments moved at a good pace, and prices held unchanged.

Strontium Salts.—Trading was not extensive, but market fully retained its firm tone.

Sulphur, Refined. — New business lacked expansion. Prices were unchanged and firm.

Tin Salts. — Quotations for various tin derivatives were unchanged, and tone of the market was steady to firm. Buying was moderate. Straits metal held at 51⅝c. per pound.

Uranium Oxide. — Small lots made up the call. Prices firm.

Zinc Acetate. — Trading without much feature. No change disclosed in the prices.

Zinc Carbonate.—Dealings routine. Prices steady to firm.

Zinc Chloride.—Withdrawals steady against contracts. Pricewise a firm tone prevailed.

Acids

Shipments moved out at a moderately active pace against contracts in the market for mineral acids last week. A number of materials continued in a strong position, and sellers were still following a restricted selling policy. This was particularly true of oxalic, which was limited to regular channels. Nitric also was in a tight position. A good inquiry prevailed for formic, while chromic was well taken by the plating trade. Acetic was reported to be moving in satisfactory quantities.

Some disappointment was expressed over the failure of sulphuric acid to move in greater volume as the result of the national defense program. However, indirectly benefits have been derived from the higher steel operations and other basic consuming industries. The call from munition manufacturers has been below expectations, but it was explained work on new munition factories under government contracts are still in the construction stage, and no direct benefits were looked for until later.

Abietic.—Transactions conservative. Prices remain firm.

Acetic.—Shipments moved satisfactorily in most directions. Prices lacked change.

Acetic Anhydride.—Interest fairly steady. Prices without alteration.

Battery.—Dealings routine. Nothing new in the prices.

Butyric.—Steady to firm price tone. Demand moderate.

Chlorosulphonic. — Withdrawals fairly steady, and tone of market firm.

Chromic.—Consumers bought steadily, and market position was firm.

Formic.—Good inquiry. Nothing new occurred in the quotations.

Hydrofluoric.—Demand fair. Prices were without change.

Lactic. — Business irregular. No change disclosed in the quotations.

Mixed. — Shipments against contracts moderately active. Prices firm.

Muriatic.—Steady movement. Quotations rule firm.

Naphthenic.—Prices nominal, and inquiries well sustained.

Nitric.—Market position strong, and withdrawals steady.

Oxalic. — Selling restricted, and prices rule firm.

Phosphoric. — Shipments steady. Quotations steady to firm.

Pyrogallic.—Prices unchanged and firm, buying narrow.

Sulphuric.—Demand moderately active against contracts. No new price developments, and tone was steady to firm.

Baltimore, Oct. 23.—Continuance of the state of affairs that has prevailed for some time in the market for sulphuric acid is to be reported. Producers profess to be at a loss as the cause for the lack of demand outside of the contract business placed at the start of the current year. Meanwhile the nominal quotations stand at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. Oleum remains unchanged at $17 per ton for percent supplies.

Insecticides

Trading in the market for agricultural insecticides and fungicides last week lacked much feature. Some movement occurred in the South, but inquiries here were light. A moderate demand was reported for export principally to South and Central America. Lead arsenate remained in a firm position, reflecting principally higher basic material costs. Prices were well retained for calcium arsenate. Withdrawals of paradichlorobenzene showed a seasonal decline.

The exports from the United States of nicotine sulphate during the first half of 1940 totaled 294,392 pounds, valued at $183,409, which compared favorably with shipments during recent years. Exports during 1939 amounted to 500,822 pounds, of which Japan and Canada were the largest consumers. There were no imports during the first half of this year. Total receipts in 1939 were reported at 28,799 pounds, valued at $8,655, of which Russia supplied 28,659 pounds.

Bordeaux Mixture.—There was little feature to the trading. Prices ruled unchanged and firm.

Calcium Arsenate. — A steady to firm price tone prevailed, while demand was not active.

Lead Arsenate. — Market position was firm. Inquiries were light.

Nicotine Sulphate.—No new developments occurred here. Prices were unaltered.

Paradichlorobenzene. — Withdrawals were along normal seasonal lines. No change occurred in the prices.

Soda Arsenate. — Not much new buying was disclosed. Prices rule unchanged.

Tin Ore Contract Made with Bolivians

—Continued from page 3

The price for the Bolivian tin concentrates will be about 48½ cents per pound of fine tin, after allowing for freight and the normal charges for treatment and smelting established by the English smelters. Cost of fine tin will probably reach somewhat above 50 cents per pound, because of the higher cost of smelting in this country than in England and the premium standard to which the tin will be refined. The market price for tin has fluctuated recently between 51 cents and 52 cents per pound.

Monthly instalments of 1,500 tons will be purchased. Mauricio Hochshild will supply 850 tons; Carlos Aramayo, 300 tons; and the rest will be supplied by the Banco Minero, a Bolivian government agency, and the Asociacion Industriales Medianos, an organization of producers. Siman Patino, principal Bolivian tin producer, will not participate in the agreement because his annual production of 14,000 tons has been bought by Great Britain.

The Metals Reserve Company, a Reconstruction Finance Corporation subsidiary, has agreed to release to the British as much as 6,000 tons of tin ore annually, and to consider requests for even greater amounts should they need them, as they undoubtedly will if their tin shipments from Malaya are cut off.

Purchase of Bolivian tin will not make this country independent of Malaya and the Dutch East Indies for tin supplies, since the United States uses about 75,000 tons annually, and national defense requirements will probably raise that amount. The defense commission has already indicated that 75,000 tons of tin will be purchased as a reserve supply between July 1, 1939, and June 30, 1941, at about 50 cents per pound. The United States has never produced over 100 tons of tins annually, most of which came from Alaska.

The defense commission is concluding discussions with scientific experts, tin producers, and English smelting interests on the construction of a tin smelter in this country to process Bolivian ore. Details of construction and location of the plant are expected to be announced soon.

At present the United States must rely on foreign smelters, principally English, for about 99 percent of its refined tin. The only important smelter in the Western Hemisphere is located in Argentina.

The defense commission is surveying possibilities of increasing the present reclamation of about 8,000 tons of tin-scrap. The commission has also been asking tin manufacturers to discover a suitable substitute for tin, especially for use in tin cans.

Further to increase tin stocks, it has been reported that the Metals Reserve Company has arranged with two Dutch producing firms in the Netherlands East Indies for total deliveries of 8,000 tons of tin.

Chemical Workers And Payrolls Gain

—Continued from page 3

Detailed Comparisons

Employment

(100=1923-25 average)

	Sept.	Aug.	Sept.
Chemicals	143.4	141.6	123.6
Cottonseed oil, cake and meal	78.3	52.4	120.2
Druggists' preparations	117.8	114.6	113.9
Explosives	147.8	139.9	99.9
Fertilizers	96.8	81.1	98.4
Paint and varnishes	126.2	123.5	122.1
Petroleum, refined	122.6	122.7	123.1
Rayon and allied products	311.9	307.7	300.2
Soap	82.4	83.6	88.5

Payrolls

(100=1923-25 average)

	Sept.	Aug.	Sept.
Chemicals	172.3	171.0	139.7
Cottonseed oil, cake and meal	75.3	48.5	99.0
Druggists' preparations	132.4	127.4	123.8
Explosives	175.4	172.1	114.4
Fertilizers	85.8	70.7	86.3
Paint and varnishes	134.5	132.1	127.5
Petroleum, refined	139.6	137.4	134.8
Rayon and allied products	324.4	318.0	286.4
Soap	107.1	101.8	107.1

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1939 average:—

	Employment.		Payroll totals.	
	Sept. 1940.	Aug. 1940.	Sept. 1940.	Aug. 1940.
Metalliferous mining	72.6	71.5	69.6	69.1
Quarrying and nonmetallic mining	49.0	48.8	46.6	45.0
Crude petroleum producing	63.1	63.4	57.4	59.1
Dyeing and cleaning	110.0	105.9	85.6	78.0

Employment in New York

Employment in factories producing chemicals and related products in New York State gained 0.6 percent from August 15 to September 15., and was 2.9 percent higher in the city, according to the records of the State Department of Labor.

General factory employment increased 3.9 percent from August 15 to September 15, and payrolls gained 5.4 percent during the same period. The department's index of employment for September 15 was 97.0. The payroll index was 97.8. These indexes are based on the average years 1925-1927 as 100.

	Percentages— State.	City.
Drug and industrial chemicals	+2.4	+5.3
Oil products	+0.6	+0.9
Paints and colors	+6.9	+7.7
Photographic and miscellaneous chemicals	—1.3	—6.3

Penna. Salt Co. Elects L.A. Smith Vice-President

—Continued from page 4

assistant treasurer, was elected secretary and assistant treasurer.

The Pennsylvania Salt Manufacturing Company, founded in 1850, is one of the oldest manufacturers of chemicals in the country and is one of the largest producers of chlorine and caustic soda. Beginning with the manufacture of heavy chemicals from salt, this company has expanded its field until today its products are used in the iron and steel, paper and pulp, chemical, laundry, textile, dairy and poultry, soap, and numerous other industries. The company is the sole importer of cryolite from Greenland, which is used as a flux in the ceramic, glass, and porcelain enameling industry and also has large use as an insecticide.

General Chemical Company, this city, will spend $20,000 to erect a new warehouse and office building in Charlotte, N. C. The structure is expected to be completed and ready for occupancy by the first of new year.

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Dr. Snell Heads Columbia Graduate Schools Alumni

Dr. Foster D. Snell, president of the Brooklyn firm of consulting chemists bearing his name, has been elected president of the alumni association of the graduate schools of Columbia University. After graduating from Columbia with a Ph.D. degree in 1923, Dr. Snell spent the next three years in charge of industrial chemistry courses at Pratt Institute. Since 1928 he has devoted his full time to consulting work.

Hercules Earnings Up

Hercules Powder Company, Wilmington, reports for the first nine months of 1940 net earnings of $3,744,236, after providing Federal taxes of $2,901,498, calculated at the increased rates imposed under the second revenue act of 1940 approved October 8.

After payment of preferred dividends there remained $2.54 a share of common stock on the average of 1,316,710 shares outstanding during the period. Figures for the first nine months of 1939 showed net earnings of $3,646,561 after Federal taxes of $893,190. This was equal, after payment of preferred dividends, to $2.47 a common share on an average of 1,316,710 shares outstanding.

Ken Morrison Joins Union Potash & Chemical

Kenneth Morrison has been named to the New York office sales staff of the Union Potash & Chemical Company, this city. He will probably devote his activities to the Eastern seaboard area from North Carolina to Maine. Mr. Morrison was formerly a member of the staff of N. V. Potash My., German and French potash importers, and more recently was associated with the Baltimore office of the French Potash Company.

Leon Mendleson Elected B.T. Babbitt President

Leon Mendleson, former vice president and treasurer of B. T. Babbitt, Inc., this city, has been elected president, succeeding the late Jerome Mendleson. Alan Mendleson, former assistant treasurer, was elected executive vice president and Samuel Mendleson, formerly assistant treasurer, was made vice president. Nathan Myers, a member of the board of directors, was named treasurer.

James A. Emery to Address N.P.V.L.A. Convention

Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association, has announced that James A. Emery, outstanding figure in national industrial and business affairs is scheduled to deliver a notable address on the subject of "This Changing World" on the closing day of the fifty-second annual convention of the association in Washington, at the Mayflower hotel, November 1, at 12:30 noon.

Syracuse Products Company, Syracuse, has been formed with a capital of $20,000, to manufacture chemical and cleaning compounds, Wm. F. Harfosh, 305 W. Beard Avenue; Harris A. Solomon, 2636 E. Genesee Street; Frank Llacqua, 309 Burnet Avenue, Syracuse were the incorporators.

Dyestuffs, Textile and Leather Chemicals

Business Less Active—Demand for Bichromates Better—Domestic Egg Albumen Firmer—Common Gambier Higher—Corn Derivatives Unchanged — Dyestuffs Quiet

Buying was not quite as active in the market for dyestuffs, textile and leather chemicals last week. Operations in many basic consuming industries continued at high levels, however, and interest was expected to remain satisfactory for the duration of the year at least. Civilian buying of textiles has increased, with many consumers becoming conscious of the tight position of mills working on government orders. Purchases of leather was also heavy, with tanners covering ahead coincident with the stronger spot hide market.

Business in bichromates has held up very well during October. A definite pickup was reported over the preceding month. Export inquiry continued good, although sellers were experiencing difficulty in obtaining licenses promptly, and each order was subject to government approval. Much of the speculative interest has subsided.

Egg products continued to display firmness. The position of the market has shown material improvement. It was reported that more dealer activity was noted than for sometime. Stocks of blood albumen were sufficient to take care of normal requirements. Common gambier was stronger with stocks small. A fairly good demand prevailed for corn derivatives. There was little broadening in the demand for natural dyestuffs. Withdrawals of raw tanning materials and extracts showed some tapering.

Chemicals

Alumina Acetate.—Transactions remain routine. Prices lacked any change.

Alumina Chloride.—Consumers made fair size replacements. Prices were firm.

Ammonia Acetate.—The call was only moderate. Pricewise a firm tone prevailed.

Ammonia Bichromate. — Business conservative. Prices ruled firm.

Antimony Salts. — Demand dull. Nothing new occurred in the quotations.

Chrome Acetate.—Interest was confined to nearby needs as a rule. Prices failed to change.

Potash Bichromate.—Spot and contract shipments fairly steady. Prices without alteration.

Potash Prussiate.—Supplies of red negligible. Fair interest for yellow. Prices firm.

Soda Bichromate.—Business moved at a moderately active pace. Prices unchanged and firm.

Soda Prussiate.—Buying was routine. Nothing new was disclosed in the prices.

Sulphonated Oils.—Withdrawals irregular. Prices for castor remain competitive, while a steady to firm tone prevailed for the olive and tallow.

Zinc Dust.—Prices rule firm. Buying moderate.

Dyestuffs

Annatto. — Demand conservative. Prices well sustained.

Cochineal. — The market remained firm, with usual consumers making fair replacements.

Fustic. — Shipments moderate. Prices lacked any change.

Hyperic.—Buying failed to broaden, but market retained its firmness.

Indigo.—Nothing new developed in the market. Prices the same.

Logwood.—Trading continued routine. Prices were firm.

Madder Dutch.—Market quiet. Quotations held unchanged.

Turmeric.—The tone was firm and prices unchanged. Buying limited to usual channels.

Sizing Materials

Albumen, Blood.—Stocks sufficient to meet normal needs. Good inquiry. Prices unchanged and firm.

Price Changes

Advanced

Albumen, egg, dom., 2c. per lb.
Gambier, common, ½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
150.7	148.6	144.6	148.3

Market news that may have developed after this report was sent to press will be found on page 4.

Albumen, Egg.—Domestic prices 2c. higher, crystal ranging from 60c. to 65c. per pound. No further change in the imported material. Better interest.

Corn Sugar.—Bookings fairly steady. Prices firm at levels established preceding period.

Dextrin Corn. — Buying moderate. Nothing new occurred in the prices.

Egg Yolk. — Market was firm and prices unchanged. Buying held at satisfactory levels.

Sago Flour. — Shipments routine. Prices held at previous levels.

Starch, Corn.—Business was fairly good. Prices were well maintained at levels reported previous period. Visible supplies of corn increased 4,488,000 bushels last week.

Starch, Potato. — Prices steady to firm. Shipments steady.

Starch, Rice. — Replacements made on a moderate scale. Prices unchanged.

Starch, Sweetpotato. — Prices unchanged and firm. Business spotty.

Starch, Wheat.—The call was irregular. Prices held unchanged.

Tapioca Flour. — Inquiries entered market in fair size quantities. Prices ruled firm.

Tanning Materials

Chestnut Bark. — Shipments moderate against contracts. Prices firm.

Cutch.—Buying routine. No change occurred in the prices.

Gambier.—Prices for common ½c. higher, ranging from 6½c. to 7c. per pound. Stocks small, and demand quiet.

Hemlock Bark.—Replacement buying held at fair levels. Prices remain unchanged.

Hematine.—Usual consumers made necessary purchases. Prices firm.

Mangrove Bark. — Prices without change, and demand light.

Myrobalans.—Buying lacked broadening, but prices were well sustained.

Oakbark.—Shipments moved against contracts fairly steady. No change in the prices.

Osage Orange. — Business narrow. Quotations ruled unchanged.

Quebracho.—The call was moderate. Pricewise a firm tone prevailed.

Quercitron. — Steady to firm price tone, with buying spotty.

Spruce.—Nothing new occurred in the prices, and demand was fair.

Wattle Bark.—New business narrow. There were no new price developments.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Blue Dyestuff Introduced

The General Dyestuff Corporation has introduced a new direct color, "Benzoform blue GGA extra," which is recommended for the dyeing of cotton and rayon. The product is said to be well adapted to the dyeing of material which requires fastness to wet processing. A bulletin fully describing the new dye may be secured by addressing the General Dyestuff Corporation, 435 Hudson street, New York, mentioning the REPORTER.

Linus Pauling Wins Nichols Medal

—Continued from page 3

Nichols Medal of the New York section of the American Chemical Society, according to Prof. Arthur W. Hixson of the Columbia University, chairman of the medal jury.

Dr. Pauling is cited "for his distinguished and pioneer work on the application of quantum mechanics to chemistry and on the size and shape of chemical molecules." He will receive the medal at a dinner of the section on March 7, 1941, at which time he will deliver the annual Nichols medal scientific address.

Dr. Pauling has profoundly influenced the whole of chemical thought, says a statement by the jury. "His study of 'The Nature of the Chemical Bond,' appearing last year, was acclaimed by critics as the most valuable work on molecular structures in relation to chemistry published for a number of years. It excited more interest and enthusiasm than any treatise on a specialized topic in chemistry since Gilbert N. Lewis and Merle Randall of the University of California published their 'Thermodynamics' in 1923."

Dr. Pauling has pioneered in applying quantum mechanics to chemistry. He has done much to explain the manner in which atoms are linked together to form molecules and why certain atoms react and combine differently under different circumstances. His contributions have been technical as well as theoretical. He has developed methods of testing conclusions drawn from theoretical study, and means of measuring the size and shape of molecules.

Drum Aqua Ammonia Prices Unchanged for 1941

Philadelphia sales headquarters of the National Ammonia Division of E. I. du Pont de Nemours & Co., Inc., has announced it will offer contracts October 28, 1940, without change, to cover buyers' 1941 requirements of aqua ammonia in drums

National Fireworks, Inc., plans an addition to its building in West Hanover, Mass.

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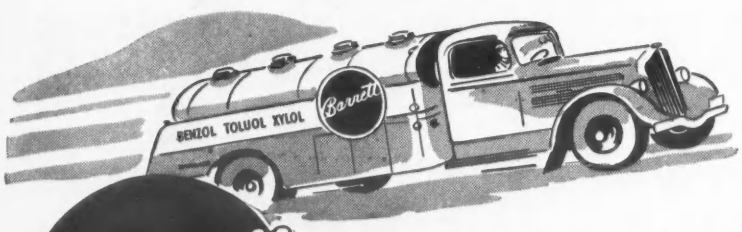

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Coaltar Chemicals

Most Chemicals Move Steadily—Steel Production Higher—Export Inquiries Satisfactory — Phenol Remains Active — New 1941 Contract for Toluol Looked Upon Favorably

Withdrawals continued at moderate levels in the market for coaltar chemicals last week. Shipments of several items, including basic products, intermediates and colors were satisfactory against contracts. A few chemicals lagged, however, on the whole, chemicals used in large quantities by the synthetic resin, rubber, lacquer and textile industries received attention. Export inquiries continued favorable. Steel production held at near capacity levels. Price developments were conspicuous by their absence.

Large consumers of toluol looked upon the new contract arrangement by one leading seller for next year with favor. It was believed that bookings for 1941 will be made by other sellers along the same lines. However, all factors have not determined what course they will pursue. Shipments to the United Kingdom were expected to be made at the same levels as the domstic market.

Stocks of benzol continued fairly heavy, although movement to major consuming channels has picked up some. Xylol was taken moderately, and supplies were not considered too burdensome. Phenol shipments remained active. Cresylic acid was spotty. Pyridin moved steadily. Naphthalene retained its firm position. Moderate quantities of creosote oil were shipped against contracts. Many intermediates were well taken, particularly anilin, dimethylanilin, nitrobenzene, orthocresol, orthodichlorobenzene and phthalic anhydride. Movement of colors was fairly steady.

Price Changes

Advanced
None
Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.1	127.1	127.1	125.7

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Shipments moderately active. Prices without change.

Carbazole.—Market routine. Pricewise a firm tone remained in evidence.

Coaltar.—Shipments moved satisfactorily against contracts. Prices rule firm.

Creosote Oil.—Withdrawals moderate in most directions. Quotations were unchanged and firm.

Cresols.—Market lacked any new price developments, and tone was firm. Demand fairly steady.

Cresylic Acid.—The call continued irregular. Domestic prices well maintained. Nothing new occurred in the imported material.

Naphthalene.—Dealings in the crude routine. Seasonal dullness prevailed in market for refined. Prices continued firm.

Oil, Shingle Stain.—Trading was without much feature. Prices held the same.

Phenol.—Shipments moved at a steady pace. Moderate export inquiry. Prices rule firm.

Pitch, Coaltar.—Steady to firm price tone. Buying routine.

Pyridin. — Inquiries steady, and market fully retained its firmness.

Solvent Naphtha. — Transactions moderate. Quotations without change.

Tar Acid Oils.—Interest only fair. Pricewise nothing new occurred.

Toluol.—Some contracts closed for 1941 on basis announced preceding period. Shipments continued steady against contracts.

Xylol.—Buying moderate. Nothing new occurred in the prices, with tone steady to firm.

Chicago Coaltar Bases

The coaltar bases are quiet, with a fairly firm tone pervading the general market. Benzol continues to be readily supplied, reflecting large production. Toluol demand is fairly good at this time. Other materials are rather steady. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 9c. to 9¼c., nearby refineries; toluol, 27c.; 10-degree xylol, 29c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Hydrogenated Solvents

Cyclohexane. — Shipments steady. Prices rule firm.

Cyclohexanol. — Consumers made moderate replacements as a rule.

Cyclohexanone.—Demand from regular consuming channels was steady.

Methylcyclohexane. — Satisfactory inquiry reported, and prices unaltered.

Methylcyclohexanol. — Interest remained at favorable levels. Quotations were firm.

Coaltar Acids

Anthranilic.—Trading remained on routine basis, and prices unchanged.

Benzoic.—Business routine. Prices unchanged and firm.

Broenner's.—Usual consumers made only necessary replacements.

Cleve's.—Trading lacked any broadening, but prices were well retained.

Fumaric.—Inquiries hold moderately active, and shipments steady.

Gamma.—Prices hold firm, and buying moderate.

H.—Dealings routine. No change disclosed in the prices.

Laurent's. — Transactions without much feature, and prices unchanged.

Maleic.—Business moderately active. Prices remained firm.

Malic.—Buying fair. Nothing new occurred in the quotations.

Picramic.—Prices rule firm, and buying along moderate lines.

Picric.—Market position firm. Shipments steady.

Salicylic.—Consumers showed fair interest. Prices firm.

Succinic. — Nothing of importance developed here, and prices held the same.

Sulphanilic.—Demand fairly steady. Prices continued firm.

Tobias. — The call was routine. Pricewise a firm tone prevailed.

Other Intermediates

Alphanaphthol.—Buying steady for moderate quantities. Prices unaltered.

Alphanaphthylamine. — Demand held at fair levels, with prices firm.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Pest Control Association, Oct. 28-30, Indianapolis.

Anilin.—Business remained moderate. Nothing new occurred in the prices.

Anthraquinone.—Interest was sufficient to keep market in firm position.

Benzaldehyde. — Usual consumers supplied the call for nearby needs.

Benzidin Base.—Transactions routine. Prices unchanged and firm.

Betanaphthol.—Little broadening in the demand. Prices remain unaltered.

Betanapthylamine. — Dealings conservative. Prices without change.

Diethylanilin. — Withdrawals only fair, but tone of market held firm.

Dimethylanilin. — Shipments moved at a steady pace. Prices rule firm.

Dinitrobenzene. — The demand was moderately active and prices unchanged.

Dinitrochlorobenzene. — Usual consumers provided satisfactory interest.

Dinitronaphthalene.—Steady to firm price tone, with buying fair.

Dinitrophenol. — Business narrow. No change disclosed in the prices.

Dinitrotoluene. — Market position firm, and transactions steady.

Diphenyl.—The call was conservative, and prices held unchanged.

G. Salt.—Market a routine affair. Prices unaltered.

Metanitroparatoluidin. — Small quantities usually made up the call.

Metaphenylenediamine. — Not much feature to the trading. Prices firm.

Nitrobenzene. — Shipments steady. Prices remain the same.

Nitronaphthalene.—Moderate interest, and prices continued firm.

Orthoanisidin. — Consumers made necessary purchases. Prices unchanged.

Orthochloroanilin.—There were no new developments, and prices held firm.

Orthochlorophenol. — Buying only fair. Pricewise no change occurred.

Orthocresol.—A satisfactory demand was reported, and prices ruled firm.

Orthodichlorobenzene. — Shipments moved at a steady pace. Quotations steady to firm.

—Continued on page 36

Toluol Plant in Texas To Cost $11,857,000

—Continued from page 3

tractor will have the option to purchase the property at cost less some prearranged rate of depreciation or, alternatively, at some negotiated sum. In the event he does not choose to retain the property, title will be transferred to the government.

The new TNT plant will be at Weldon Springs, Mo., near Saint Charles and north of St. Louis. Contrary to its usual practice, the War Department announced the location before it obtained an option on the land, but agents have been ordered to proceed with the purchase of 18,000 acres.

Cost of the plant and the contractor have not yet been announced, although usually these are given prior to announcement of location. It is learned from unofficial but reliable sources that government chemical experts recommended that this plant be built farther East to save freight charges on materials and for other technical reasons, but that the plant was finally located in Missouri and announced at this time for political reasons. Government officials declined to comment on this.

The War Department announced the award of a contract to the E. I. duPont de Nemours & Co. for additional facilities at Charlestown, Ind. for the manufacture of smokeless powder. The original project was announced on July 17 at an approximate cost of $25,000,000. The terms of the new contract are similar to those announced on that date. The cost of the additional facilities is estimated at approximately $26,000,000 which brings the total cost of this plant to about $51,000,000.

The department, awarded another contract to the duPont company increasing by $11,060,000 the original contract of $6,700,000 and awarded September 20 for the manufacture of TNT and DNT and tetryl, making a total of $17,760,000. The contract for construction of those increased facilities to be built at Wilmington, Ill, is now under negotiation.

Lead, Zinc Producers Financially Analyzed

—Continued from page 3

less other charges, before deduction of interest on long-term borrowing and income taxes, on the total capital of $231,945,886, was $24,544,342, or a rate of return of 10.6 percent on the average of such total employed capital for the year. The average rate of return for the corporations represented individual rates ranging from (low to high) 4.9 percent to 20.4 percent. The net income on the corporate net worth investment, or stockholders' equity, was $20,731,538, a rate of return of 9.1 percent of the average stockholder's investment. The rates for individual corporations ranged from 4.2 percent to 18.0 percent. The rate of return for individual corporations, before deduction of interest on long-term borrowings and income, taxes, ranged from 5.1 percent to 22.8 percent. Cash dividends paid during 1939 by the six corporations amounted to $14,731,883.

The operating ratios for their 1939 operations show that the cost of goods (exclusive of all general taxes, social security and pension fund payments, selling expenses, administrative and general expenses, research and development expenses, etc.) represented 79.2 percent of every dollar of sales. The gross margin was 20.8 percent of sales on each dollar of sales revenue. After deduction of the items listed as expenses, together with provision for uncollectible accounts from the total gross revenue, there remained a net profit from manufacturing and trading of 12.1 cents from every dollar of sales.

Similar reports have been made by the commission on the bread and bakery, the aircraft manufacturing, and the tobacco manufacturing industries. Other industries will be covered shortly. The studies are being made with a special appropriation under the F.T.C. act's authorization to collect and publish information on corporations engaged in interstate commerce. In explanation of the project the commission says:—

The purpose in securing such reports from industry and trade is to aid in promoting orderly business operations and in larger and more stable employment of labor. A contribution to these ends would be found in providing reliable information about operating conditions as a guide for business management, and in removing ignorance about current business conditions in order to forestall unwarranted speculation which leads to collapse and to hasten the extension of business operations when conditions justify such extension.

N.P.V.L.A. 50-Year Club to Dine Oct. 30

OPD Washington Bureau
October 24, 1940

The annual dinner of the Fifty-Year Club of the National Paint, Varnish and Lacquer Association will be held October 30 at the Mayflower Hotel, this city. The dinner will be coincident with the opening of the fifty-second annual convention of the National Paint Club.

John Ludwig, who recently resigned as treasurer of the McDougall-Butler Company, paint and varnish manufacturer, Buffalo, N. Y., today was enrolled as a member of the Fifty-Year Club. Mr. Ludwig started in the industry in 1887, as an office boy with the Kellogg Oil, Paint and Varnish Company.

Cleveland Production Club To Sponsor Research Work

Cleveland, Oct. 21, 1940

The Cleveland Paint and Varnish Production Club and the Case School of Applied Science are preparing a tentative program outlining a laboratory course to be given by the chemical engineering department of the school. The course will fit in with the lectures on paint and varnish technology given last year.

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SOLVENT NAPHTHA—INCLUDING HIGH FLASH

Services of the Koppers Laboratories are always at your command

OTHER KOPPERS CHEMICALS and SOLVENTS

Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades)...3° Meta Para Cresol ...Cresylic Acid—99%, pale, low-boiling—99%, pale, high-boiling) . . . Naphthalene Shingle Stain Oil . . . Refined Tars...Tar Acid Oils...Pitch Coke...Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials...Bituminous-base Paints...Coal...Coke...Tanks and Tank Work...Removal and Recovery Systems...Gas Plants . . . Fast's Self-aligning Couplings . . . American Hammered Piston Rings . . . Pressure-treated Lumber

KOPPERS COMPANY · PITTSBURGH · PENNA.

Coaltar Chemicals

Other Intermediates

—*Continued from page* 35

Orthonitroanilin. — Spot and contract buying moderate. Prices failed to change.

Orthonitroparachlorophenol. — Buying conservative. Prices unchanged.

Orthonitrotoluene. — Market firm, and business confined to regular channels.

Orthophenetidin. — Demand lacked broadening, but prices ruled firm.

Orthotoluidin.—Business moderate. Prices displayed no change.

Parachlorophenol.—Market routine. quotations held firm.

Paranisidin. — Fair interest. No change occurred in the prices.

Paranitroanilin. — Consumers displayed fairly steady interest. Prices unchanged.

Paranitrochlorobenzene. — Demand moderate. Prices steady to firm.

Paranitrophenol. — Buying light. Nothing new occurred in the quotations.

Paranitrotoluene.—Firm price tone, with buying steady from regular sources.

Paratoluidin.—Prices unchanged and firm. Business steady.

Phthalic Anhydride.—Steady movement to major consuming channels. Prices unchanged and firm.

R. Salt.—Dealings routine. Prices remain unchanged.

Schaeffer's Salt.—Moderate quantities made up the bulk of the call.

Thiocarbanilide.—No change occurred in the prices, and buying remained steady.

Toluidin.—A firm price tone remained in evidence, while shipments were moderately active.

Xylidin. — Trading held fairly steady for usual channels. Prices firm.

Coaltar Colors

Shipments of coaltar colors held at steady levels last week. Broader operations in most divisions of the textile and leather industry were helpful. Government buying of textiles was a factor, but a good demand from other sources was also noted. The market continued to be favored with a satisfactory amount of export inquiries. There was nothing new to disclose in the prices, and the tone of the market remained steady to firm.

There are approximately a dozen textile mills in the Union of South Africa, centered principally in the Cape Province. In view of the fact that importation from Germany and Switzerland is no longer possible, and supplies from the United Kingdom are limited, there would appear to be a possibility of considerably increasing the share of the market available to the United States, according to the American commercial attache at Johannesburg. The South African market for dyes is peculiar, however, in that local users of dyes have for many years compounded the various colors required from primary dyestuffs. In other words, the primary colors only are desired, and the various shades are manufactured in the country. For this reason, local consumers find it difficult to purchase in the United States, and American manufacturers wishing to supply this market would do well to bear this situation in mind.

Trubek Laboratory will build a $50,000 chemical manufacturing plant in East Rutherford, N. J.

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Commercially Pure Benzol
90% Benzol • CXP Benzol
XYLOLS (Solvent Naphtha)
Reagent Benzol • Pure Toluol
Sulphate of Ammonia

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PITTSBURGH PENNSYLVANIA

REPUBLIC SOLVENT NAPHTHA

REPUBLIC STEEL
REG. U. S. PAT. OFF.

ALSO

BENZOLS
1° — 2° — 90% · Motor

TOLUOLS
Nitration-Commercial

XYLOLS
3° — 5° — 10° — Commercial

AMMONIUM SULPHATE • CRUDE NAPHTHALENE

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CORPORATION
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What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Three-hundred-forty-ninth Instalment

Pastes

(Adhesive)

Odorants Used in Pastes

(*Continued from October 21 issue*)

Isoeugenol
Ivy
Jacinthe petals
Jasmin 5978, 7, fleur A incense liquid, petals, white, S-21, S-25, 1931, 1928, 4154, A-147, de Nice A-602 A-624, P-312, 316, 321
Jasminial
Jasmone 2
Jockey club, D, a-578, extra
Jonquille, synthetic
Juval
Kapree
K.M.S bouquet A-503
Lavender A-54, 5963, 6196, bouquet A
Le Coquin
Lemon oil
Lemongrass oil
L'gon Parento
Lilac A. blossom D, fleur A, fleur B, new 1, 416-CPC, 658, 856, A-518, P-231, P-519, A-518, B-231, P-519, S-728, S-729, 4653
Lilaris
Lily N, 18
Lily of the valley Parento
Lily-amber-jasmin blend
Linahya
Linaloe oil
Linalyl acetate
Linalyl formate
Lipstick odor 21834-P, 5734-M
Locust 5424, 4550, buds A, de Nice A, M 51042
Loniad A 731
Love dream oil 2, 3
Maveine aldehyde F
Meloric
Menthene
Menthol
Methyl anthranilate
Methyl benzoate
Methyl cinnamate
Methyl phenylacetate
Methyl salcylate
Methylacetophenone
Methyleugenol
Methylhydratropic aldehyde
Methylisoeugenol
Methylparacresol
Methylphenylbenzyl oxide
M.G. Parento
Mimosa A-719
Modern French bouquet A-668
Mousse de Saxe C-71
Mousse de Chene
M.S. odor P-105 improved
Mugine
Muguet 6625
Musk ambre liquid C-19
Musk oil
My idol
Narciss A-354, A-581, A-688, R.A 627, 1582, 4074, P-319, chinois A-87, d'or noir A-375 B de jour
Narcisse 5019, 4555
Narcissus P-103, P-144, P-204, de jour P-210 Nardin Parento
Neroli oil
Niobe
Noel
Nonoic alcohol
Nonoic aldehyde
Octoic alcohol
Octoic aldehyde
Octyl acetate
Odrene
Oeillet
Opopanax C, C-17, D, otto S, 26-B, 2291, 21131, 51733, 1919
Orange blossom T, extra, M, 5012, 11633, P-593
Orange fleur de jour
Orange oil
Orangeflower oil
Orchid 21
Orchidee imported oil P-391
Orchidone
Orient blossoms
Oriental P-84, P-400, P-499 P-620, A.D. 4427, 6516, 408, savon
Oriental bouquet P-229, P-287, P-268
Origanol R
Osols
Papaver A, 1,2,4,5
Paranium
Parento Paris fleurs
Patchouli oil
Patchoulyl acetate
Peach blossom 5856
Peppermint oil
Petitgrain oil
Petro odors
Petrodor
Phenylacetic acid
Phenylacetic aldehyde
Phenylethyl acetate
Phenylethyl alcohol
Phenylethyl benzoate
Phenylethyl formate
Phenylethyl phenyl-acetate
Phenylethyl propionate
Phenylpropyl alcohol
Phenylvinylethylene-methyl ketone
Pine oil
Pineoleo
Pineophyx
Piperonal
Pogonene
Pois de Senteur d'Aout
Poppy de Grasse, French A
Pot-pourri 4534
Powder odor B, 1415
Q.F.D. oil
Quinine P-14, 13-A
Quinine base D, D-1, D-2, D-3 F frangrance
Quininiphyx
Reseda 101833
Rodinol
Rodinol B
Rodinol acetate
Rodinol formate
Rose oil
Rose B.A., 639, briar, M-5006, 4663, 4812, 4886, 5987, 6229 Orient, red
Rosemary oil
Rosoriol
Rovardia
Sadira
Safrol
Santalyl acetate
Sassafras oil
Shalol
Spearmint oil
Spike lavender oil
Summer flowers
Sweet fragrance
Sweet Susy
Sweetheart
Sweetpea de Nice, extra, S.D.
Syringa absolute F.M
Terpineol
Terpineol acetate
Tetradecoic aldehyde
Thyme oil
Thymol
Trefel LA, P-345
Trinitroisobutylxylene
Undecyl acetate
Undecyl alcohol
Vanillel
Vanillin
Vanylal
Verbenol T
Vetiver oil
Vinodol
Violet 4575, 4665
Violet ketone
Wintergreen oil
Yland bouquet T
Yiol S

Moistening Agents Used in Pastes

Butylcellosolve
Cellosolve
Cellosolve acetate
Diethylglycol
Diethyleneglycol
Ethyleneglycol ethyl ether
Ethyleneglycol methyl-ether
Ethyleneglycol mono-butylether
Glycol monoacetate
Methyl cellosolve
Triethyleneglycol
Water

Preservatives for Use in Pastes

Acetic acid
Alum
Boric acid
Dowicide
Formaldehyde
Furfural
Furoic acid
Hydrofuramide
Moldol
Palustrex
Paraformaldehyde
Phenol
Presentole
Salicylic acid
Sodium benzoate
Sodium orthophenyl-phenate
Sodium salicylate
Vucinotoxin
Sodium furoate
Zinc sulphate

Solvents Used in Making Pastes

Acetic acid, strong solution
Ammonia, dilute solution
Borax solution
Benzene
Benzin
Calcium oxide solution
Glycerin
Limewater
Potassium hydroxide solution
Sodium carbonate solution
Sodium hydroxide solution
Sodium phosphate solution
Sodium silicate solution
Water

Perfumes

Bases (Absolutes) for Perfumes

Absolutes S.I.S.
Agfarnol
Agfarone
Amber, synthetic
Ambertone
Ambreine
Ambrene
Ambriol
Amylcinnamic aldehyde
Anisic aldehyde
Base 240A
Bigaradia
Bigarol
Benzyl acetate
Benzyl benzoate
Bergamot
Brisarome
Bruoniax
Cinnamyl alcohol
Citronellol acetate
Clarysage oil
Corioma
Coumarin
Damascenol
Dianthum
Dianthus
Eugenol
Extra flors

(To be continued)

Paint, Varnish, Lacquer Materials

Dry White Lead Prices to Be Advanced November 1—Imported and Domestic Casein Higher With Demand Improved —Dry Colors Moving Well—Naval Stores Firm

Effective November 1, dry white lead will be advanced fractionally for car lot and less car lot delivery to all sections of the country. The advance will embrace both the basic sulphate and basic carbonate materials. White lead-in-oil will be unchanged. The higher prices are due to the influence of the very strong metal market, prices of pig lead having been increased sharply in the past several weeks.

Domestic and Argentine casein were quoted at higher prices during the period under review. Increased domestic demand prompted the rise and quotations on both product were on the same level. Although stocks of Argentine material in the United States were believed sufficient to take care of normal demand, a possible shortage may develop due to the difficulty producers are encountering in obtaining ships from the primary centers.

Navy specification type zinc yellow was reduced to the level of the regular grade, but this was the only price movement in the color field. English vermilion was in slightly better demand. Outside of mercuric oxides, the general demand was good. Pigments were moving well, with an exceptionally good call for titaniums and zinc oxides. Varnish gums were steady.

A firm tone continued to prevail in primary and local markets for naval stores, a further advance being recorded in turpentine and the trend of some grades of rosin also being upward at times. The government remained out of the markets as a seller of turpentine but continued to supply rosin. Business was fairly active.

Metallic Lead and Zinc

Demand for pig lead continued active during the week under review. November requirements were estimated to be about 90 percent covered. Prices were firm and unchanged. Slab zinc also was in good demand and the suppiy situation was reported tight. The price was firm to strong.

Lead. — Prevailing spot prices at New York, East St. Louis and London for the period from October 19 to October 25, inclusive, were as follows:—

	Pigs		
	Per pound		Spot, London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0550@.0555	$0.0535	.. * .. ..
Monday	.0550@.0555	.0535	.. .. ..
Tuesday	.0550@.0555	.0535	.. .. ..
Wedn'sd'y.	.0550@.0555	.0535	.. .. ..
Thursday	.0550@.0555	.0535	.. .. ..
Friday	.0550@.0555	.0535	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from October 19 to October 25, inclusive, were as follows:—

	Slabs		
	Per pound		Spot, London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	.. * .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Pigments

Antimony White.—Moderately good call. Offerings light. Prices unchanged.

Flake White.—Movement fair. Price firm.

Litharge.—Good demand. Price steady.

Lithopone.—Shipments at good level. Call for supplies active. Inquiries better. Price firm and unchanged.

Metronite Pigment.—Stocks and offerings normal. Demand fair. Price firm.

Orange Mineral.—Business steady and satisfactory. Price firm.

Red Lead.—Advance two weeks ago failed to discourage buyers who were ordering actively. Inquiries more numerous. Price firm.

Price Changes

Advanced

Casein, dom., ½c. per lb.
Imp., Argentine, ¼c. per lb.
Rosin, gum, medium grades, 3c. to 12c. per 100 lbs.
Shellac, T.N., 1c. per lb.
superfine, 1c. per lb.
Turpentine, gum, 1¾c. per gal.

Reduced

Zinc yellow, Navy specif. type, 1c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.2	**126.2**	**126.2**	**131.2**

Market news that may have developed after this report was sent to press will be found on page 4.

Titanium Pigments.—Heavy call for contract deliveries. New business fair. Prices steady and unchanged.

White Lead.—Effective November 1, prices will be advanced ¼c. per pound. Basic carbonate material will be sold at 7½c. per pound for car lot delivery to West and Southwest and 7¼c. for delivery to other points. Less car lot prices will be 7¾c. and 7½c. per pound, respectively. Basic sulphate delivered to the West and Southwest in car lots will be 6¾c. and to other points 6½c. Smaller quantities will be 7c. and 6¾c. per pound, respectively. White lead-in-oil prices will remain unchanged.

Zinc Oxides.—Contract shipments in heavy volume. New business good. Inquiries more numerous. Prices firm and unchanged.

Fillers and Extenders

Asbestos.—Demand satisfactory. Offerings normal. Price steady.

Asphaltum.—Routine deliveries recorded. Price firm.

Barytes.—Seasonal call. Deliveries regular. Price firm.

Bentonite. — Fair movement of stocks. Offerings light. Inquiries better. Price unchanged.

Blanc Fixe.—Normal movement to consumers. New business small. Inquiries fair. Price steady.

Chalk.—Demand conservative. Price firm.

Charcoal. — Softwood material in good demand. Prices unaltered.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Production Clubs, Oct. 28-30, Washington.
Paint, Varnish and Lacquer, Oct. 30-Nov. 1, Washington.

EXCELLENT MISCIBILITY WITH OILS & VARNISHES
LIGHT IN COLOR (IDEAL FOR WHITES)
EASY BRUSHING & GOOD LEVELING
VERY GOOD GLOSS & COLOR RETENTION
ENTIRELY SOLUBLE IN MINERAL SPIRITS & COAL-TAR SOLVENTS
NEUTRAL WITH BASIC PIGMENTS

ACID VALUE 3-4: VISCOSITY Z_1—Z_2
60% SOLIDS—40% MINERAL SPIRITS

SAMPLE AND PERTINENT DATA ARE YOURS FOR THE ASKING.

PARAMET SYNTHETIC RESINS

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

CLAYS
FOR CASEIN PAINTS

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Controlled Particle-Size

High Opacity

Uniform Tinting Strength

•

Clays of Exceptionally White Color

•

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Main Office: ELIZABETH, NEW JERSEY

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CARBON
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MACHINES TO CUT ½ in., ¾ in., 1¼ in., 1½ in. LETTERS
CUTS PAPER SHIPPING STENCILS
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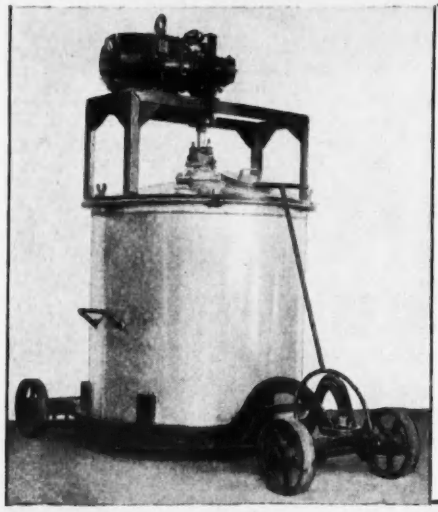
CLEAN SOLUBLE NITRATE FILM SCRAP
HORN, JEFFERYS & CO.
BURBANK, CALIFORNIA
"Available in Flakes"

STEARATES
ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE
Stocks at
• NEW YORK
• CHICAGO
• ST. LOUIS
• KANSAS CITY
• DES MOINES
• LOS ANGELES
• SAN FRANCISCO
• NEW ORLEANS
FRANKS CHEMICAL PRODUCTS CO.
BLDG. 9, BUSH TERMINAL — BROOKLYN, N.Y.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Synthetic resin kettles either portable or of set type of any construction.
VARNISH KETTLES
Varnish kettles of all shapes and sizes in copper, Monel, nickel, or stainless steel.
KETTLE TRUCKS
Brighton roller bearing varnish kettle trucks will solve your truck problems. Write for details.
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Brighton Copper Works
Kindel at Central
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S & W NATURAL RESINS
NATURAL RESINS, as raw materials, are as old as the varnish art itself. The resins are available in a continuous series as regards solubility, hardness and color and therefore offer the formulator a wide choice. Some of these resins are processed at our plants, under rigid control. The scarcity of chinawood oil makes the use of certain of these processed naturals particularly desirable now
From many years of experience, involving world-wide coordination, the Stroock & Wittenberg Corporation has established connections to safeguard careful selection, grading and packing. Representative retained samples and warehouse stocks round out a comprehensive service.
Accroides Elemi
Batu Kauri
Batavia Damars Loba
Singapore Damars Manila
Black East Indies Pontianak
Pale East Indies Mastic
Congo Gums Sandarac

THE COMPLETE RESIN LINE
"S & W" ESTER GUM—all types
"AROFENE"*—pure phenolics
"AROCHEM"*—modified types
"CONGO GUM"—fused and esterified
"AROPLAZ"*—alkyds
NATURAL RESINS—all standard grades
* Registered U. S. Patent Office
STROOCK & WITTENBERG CORPORATION
LINCOLN BUILDING, 60 EAST 42ND ST., NEW YORK, N. Y.

China Clay. — Shipments fairly regular. Previous quotations prevailed.

Diatomaceous Earth. — Business moderate. Inquiries fair. Quotations unrevised.

Feldspar.—Movement routine. Price steady.

Fullers Earth.—Trade up to expectations. No changes in price.

Graphite. — Satisfactory demand. Price firm.

Marble Flour.—Fair demand. Price steady.

Mica. — Normal movement. No changes recorded in list price.

Talc.—Domestic grades in good demand. Imported nominal.

Tripoli. — Market situation unrevised. Demand fair. Price firm.

Whiting. — Satisfactory call for stocks. Price steady.

Woodflour.—Good call for domestic grade. No prices changed. Imported product nominal and scarce.

Driers

Stearates and palmitates were in good call during the week, reflecting the generally firm tone of the raw materials market. Shipments were regular and in good volume. Prices were firm and unchanged.

Naval Stores

The naval stores situation continued to be featured much of the time last week by a fair volume of activity and a generally firm tone. The trend of turpentine was again upward, the price at Savannah rising to the highest point recorded for many months past. Higher prices were also recorded for some grades of rosin. Much of the new business reported during the week was apparently along conservative lines, some consumers still being disinclined to purchase ahead to any important extent in view of the prevailing uncertainty concerning the war and the domestic political situation, but the volume of orders received in some quarters was reported to have shown an increase over the previous week.

The government remained out of the markets as a seller of turpentine but continued to supply rosin. Offerings of the latter commodity from other sources were generally light or moderate as the crop movement continued to fall below expectations, while predictions were heard to the effect that the prospects were for a considerable decrease in production for the current season as compared with last year, instead of the increase expected a while back. At one time earlier in the season predictions were heard that the output for the current year would show an increase of around 10 percent, but views have undergone a revision, some estimates recently current being for a production of not much over 300,000 units which would compare with about 385,000 units last season.

There were some in the trade, too, who were of the opinion that the 1941 production may drop considerably below 300,000 units, the prospective decrease being attributed, in part at least, to a growing shortage of suitable labor in the South. The absence of any indications that the export outlet next season may show an expansion is also expected to have a tendency to further curtail production during the coming naval stores year. Meantime the indications, in the opinion of not a few, point to a considerable increase in consumption of both rosin and turpentine in various industries.

Turpentine.—Purchasing in the local market was generally limited to comparatively small or moderate quantities, the movement of such lots for the week being reported as fair. The tone was firmer in the main in company with the primary center.

SAVANNAH, Oct. 25.—Following is a record of the turpentine market for the week:—

	Gallons— Cents.	Sales.	Barrels— Receipts.	Shipments.	On hand.
Saturday*	...	...	...	...	...
Monday	30½	9,500	160	1,788	14,268
Tuesday	30¾	4,750	128	671	13,725
Wednesday	31	6,700	95	45	13,775
Thursday	31¼	4,150	185	...	10,937
Friday	31¾	3,100	105	77	10,967

* No trading.

JACKSONVILLE, Oct. 23.—Turpentine stock 13,775 barrels.

PENSACOLA, Oct. 19.—Turpentine stock 10,360 barrels.

Chicago—Oct. 25

Turpentine is still quiet. Five-drum lots, 42c. per gallon; five wood barrels, 47c.; single drums, 45c.; single barrels, 45c.

Rosin.—Firmness in the primary market was reflected locally, the tendency of some grades being upward at times. Business here was on a fair

Shawnee
DRY COLORS
"Color Content Guaranteed"
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Cadmium Colors
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

SICO
Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products
STANDARD ULTRAMARINE CO.
HUNTINGTON WEST VIRGINIA

GILSONITE
SUPER SELECTS
Low Viscosity Type. MP 275° F. Extremely Uniform.
ALLIED ASPHALT & MINERAL CORP.
217 BROADWAY, NEW YORK FACTORY: DUNELLEN, N. J.
Agents and Warehouse Stocks in Principal Centers

scale. Receipts in southern markets were comparatively light and there was no pressure of offerings.

SAVANNAH, Oct. 25.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted					
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$1.55	$1.55	$1.55	$1.55	$1.55
D	...	1.71	1.71	1.71	1.71	1.74
E	...	1.71	1.71	1.73	1.74	1.77
F	...	1.70	1.68	1.73	1.73	1.77
G	...	1.68	1.70	1.72	1.73	1.77
H	...	1.68	1.70	1.71	1.74	1.75
I	...	1.71	1.71	1.73	1.75	1.77
K	...	1.71	1.72	1.75	1.76	1.80
M	...	1.72	1.76	1.78	1.80	1.83
N	...	1.80	1.84	1.82	1.86	1.89
WG ..	...	2.28	2.29	2.29	2.29	2.30
WW ..	...	2.67	2.67	2.67	2.67	2.67
X	...	2.67	2.67	2.67	2.67	2.67
	Barrels					
Sales....	...	384	778	105	141	138
Receipts.	...	869	1,027	430	366	281
Shipments	...	4,431	664	1,243	...	16
Stocks...	...	...	...	...	...	157,721

* No trading.

JACKSONVILLE, Oct. 23.—Rosin stock 152,610 barrels.

PENSACOLA, Oct. 19.—Rosin stock 51,670 barrels.

Chicago—Oct. 25

Rosin firm though quiet. B grade, $2.85 per lot of 100 pounds net; G grade, $2.85; M grade, $2.98; W.W. grade, $3.95.

Other Naval Stores

Pine Oil.—Tone firmer. Increased movement on contracts and new orders.

Pitch.—Somewhat larger request for moderate lots. Stocks light. Market firm.

Rosin Oil.—Buying interest stimulated by recent developments in basic material. Business better.

Tar.—Quotations maintained. Tone firm. Business showed expansion.

Dry Colors

Alkali Blue.—Good call. Price firm.

Bone Black.—Moderate movement. Price steady.

Cadmium Colors.—Demand active. Shipments large. Inquiries more numerous. Prices firm.

Carbon Black.—Demand off slightly but still of good proportion. Shipments regular and fairly heavy. Inventories in hands of producers at the end of September amounted to 158,000,000 pounds, an increase of 8,500,000 over the stocks on hand August 31.

Carmine No. 40.—Fair movement. Price unchanged.

Chrome Colors.—Demand good. Shipments heavy. Prices firm.

Iron Blues.—Active call reported. Inquiries more numerous. Prices firm and unchanged.

Mercuric Oxides.—Fair pick-up in buying interest. Market still slack. Prices firm and unchanged.

Ocher.—Demand good. Prices firm.

Sienna.—Movement normal. Quotations unaltered.

Ultramarine Blue.—Good contract call. Prices firm.

Umber.—Normal movement of stocks. Prices firm.

Vermilion.—Slight pick-up in ordering, but only for small quantities. Prices firm and unchanged.

Zinc Yellow.—Navy specification type reduced 1c. per pound to 16c. for contract or open order.

Lacquer Materials

Interest in the market for lacquer materials and solvents continued steady last week. Both spot and contract shipments were reported in satisfactory volume. Export inquiry for some items continued good. Prices were without any change, and the general tone was steady to firm. Acetone shipments were steady, and market was regarded in a favorable position. Movement of normal and secondary butyl acetate continued moderately active. Replacement buying in tricresyl phosphate was regarded as satisfactory.

Acetone.—Shipments steady. Satisfactory export demand. Prices rule unchanged and firm.

Alcohol, Butyl. — Moderate shipments against contracts. Pricewise a steady to firm tone prevailed.

Butyl Acetate.—Movement of normal and secondary continued fairly steady. Prices lacked any change.

Cellulose Acetate. — Withdrawals from basic consuming industries were steady. Prices remain the same.

Dibutyl Phthalate. — Commitments routine. Nothing new occurred in the prices.

Dichlorethyl Ether. — Interest remained moderately active. No change was disclosed in the quotations.

Ethyl Acetate.—Spot and contract shipments held at moderate levels. Nothing new was uncovered in the prices.

Isopropyl Acetate.—A steady to firm price tone remained in evidence. Demand steady.

Tricresyl Phosphate. — Consumers made stisfactory replacements against contracts as a rule. Prices were the same, and tone was steady to firm.

Shellac

Spot prices on T. N. and superfine shellac were 1c. higher last midweek, the former being quoted at 14c. to 14½c. per pound and the latter, 14½c. to 15c. This development was related to the recent and fairly sustained rise in Calcutta; the advances were fractional but resulted in a total increase of about 1½c. per pound in the replacement cost. Business in this market was fairly active but had a routine quality. Competition was still current to a considerable extent in local circles but practically all factors took a firmer view on the market at the close of the period under review.

Varnish Gums

Copals. — Movement moderately good. Inquiries fair. Prices firm and unchanged.

Dammars. — Satisfactory call for stocks. Prices steady.

Elemi.—Demand fair. Price firm.

No. 3 Collapsible Tube Filler

(For Hand Operation)

This machine will fill tubes up to 1 in. x 5½ in. with any material ordinarily put in collapsible tubes. One turn of the handle puts the correct quantity in each tube. Larger tubes can be filled by adjusting the screw "C" for half the quantity desired and making two turns of the handle.

The nozzle "A" is made to suit tubes of different diameter and length. Special nozzles can be furnished for filling cans, jars or bottles.

ARTHUR COLTON CO.
2624 E. Jefferson Av., Detroit, Michigan

YOUR
confidence
IMPOSES OBLIGATIONS
WHICH WE
ENDEAVOR TO FULFILL

IMPERIAL PAPER AND COLOR CORPORATION
Pigment Color Division **GLENS FALLS, N. Y**

The largest manufacturers of chemical pigment colors in America

Branch Offices and Warehouses:

Boston New York Philadelphia Cleveland - Detroit Cincinnati
Pittsburgh - Seattle - Chicago - St. Louis San Francisco
Baltimore Dallas - Los Angeles Louisville

R.W. Greeff & Co. Inc. RWG New York, U.S.A.

INDUSTRIAL AND PHARMACEUTICAL

Chemicals

ACETONE
ALLYL ALCOHOL
ALLYL CHLORIDE
BUTYL ALCOHOL
(Secondary)
BUTYL ALCOHOL
(Tertiary)
DIACETONE
ISO PROPYL ALCOHOL
ISO PROPYL ETHER
METHALLYL ALCOHOL
METHALLYL CHLORIDE
METHYL ETHYL KETONE

Selling Agents for Shell Chemical Co.

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10 ROCKEFELLER PLAZA, NEW YORK CITY

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ASBESTOS CORPORATION OF AMERICA
90 West Street Telephone REctor 2-0656 **New York**

PLYMOUTH STEARATES
ALUMINUM - ZINC - CALCIUM
Established Qualities Manufactured for thirty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
59 BEEKMAN STREET, NEW YORK CITY

Synthetic Resins

Movement was uniformly satisfactory to most producers last week. Ester gum was in good call and business is expected to hold through this week. All prices were firm and unchanged.

Glues and Binders

Casein.—Demand improved last week and prominent producers advanced price ½c. per pound to 12c. for domestic product. The Argentine product was ¼c. per pound firmer at the same 12c. price. Domestic production was still below normal.

Glues.—Bone glues were still strong but unchanged. Hide glues were firm at the new prices. A heavy demand was recorded for both.

Warren Named President Of Nashville Paint Club

Nashville, Tenn., Oct. 21, 1940

Joseph M. Warren, III, president of the Warren Paint & Color Company, has been elected president of the Nashville Paint, Varnish and Lacquer Association. William A. Beasley, Jr., of the Beasley & Sons, Inc., was named vice-president, and A. P. McDonald, of the Morgan-Napier Company, secretary-treasurer.

N.E. Paint Clubs Hear Mattiello on Raw Materials

The sixteen lecture series sponsored by the New England Paint Clubs opened October 21, at Franklin Union, Boston. The first of the lectures was presented by Dr. Joseph J. Mattiello, director of Hilo Varnish Corporation, Brooklyn, New York.

With "Raw Materials in Paint" as his subject, Dr. Mattiello had with him and used a number of wall charts, hiding-power charts, finished paints, oils, pigments, and thinners. With these, he discussed the materials which end up as a can of paint or varnish—why each is used and what can be expected of the resulting film.

The lecture of October 28 will be given by W. T. Peace of the Resinous Products & Chemical Company, Philadelphia. The subject will be "Paint and Varnish Manufacture."

O'Brien Varnish Expanding

The O'Brien Varnish Company, South Bend, today started a $100,000 building expansion program that will increase production capacity 25 percent. New equipment, costing $30,000, will be installed in a 35,000 square-foot building to be erected on the company's present site.

Are Butyls useful in other types of finishes besides nitrocellulose lacquers?
Yes, indeed! Butanol is a standard ingredient of urea-formaldehyde and ethyl cellulose finishes. And Butyl Acetate is very useful in the manufacture of finishes based on vinyl resins, chlorinated rubber, cellulose acetopropionate and acetobutyrate.
"Better Try Butyls"
COMMERCIAL SOLVENTS
Corporation
17 EAST 42nd STREET, NEW YORK, N. Y.

Current Market Quotations

Wahoo Bark—Yellow, Chrome

—Continued from page 25

W

Wahoo bark, bls.	lb.	.42 - .45
tree	lb.	.19 - .22
Wattle bark, bgs., f.a.s.	ton.	37.50 -39.50
Extract, solid, bgs.	lb.	.03⅜- —
Wax, bayberry, import, bgs.	lb.	.20 - .21
Bees, white, bleach, slabs, cs., 1 to 5 case lots.	lb.	.36½- —
cakes, 1 to 5 cs., lots.	lb.	.37½- —
discs, 1 to 5 cs., lots.	lb.	.38½- —
yellow, crude, Africa, 10-bg. lots.	lb.	.29 Nom.
1 bg.	lb.	.29½ Nom.
Brazil, bgs., 5-ton lots.	lb.	.30 - .31
1 ton	lb.	.30½- .31½
500 lbs.	lb.	.31 - .32
100 lbs.	lb.	.31½- .32½
refd., slabs, cs., lbs.	lb.	.35 - .36
Candelilla, bgs., 1 ton	lb.	.19 - .19½
Jobbing lots	lb.	.19½- .20
Carnauba, No. 3 chalky, bgs., 1 ton.	lb.	.59 - .60
5 bgs.	lb.	.59½- .60½
1 bg.	lb.	.60 - .61
N. C., 2 bgs., 1 ton	lb.	.66 - .67
N. C., 3 bgs., 1 ton	lb.	.59 - .60
5 bgs.	lb.	.59½- .60½
1 bg.	lb.	.60 - .61
refined, bgs.	lb.	.63 - .64
yellow, No. 1, bgs., 1 ton.	lb.	.72 - .73
5 bgs.	lb.	.72½- .73½
1 bg.	lb.	.73 - .74
No. 2, bgs.	lb.	.71 - .72
Wax, Ceresin, dom., 138°, 140° m.p., bgs., 1 ton.	lb.	.11 - .11½
jobbing lots.	lb.	.12 - .12½
150°-160° m.p., bgs., 1 ton.	lb.	.13 - .13½
jobbing lots.	lb.	.14 - .14½
160° m.p., bgs., 1 ton.	lb.	.13 - .13½
jobbing lots.	lb.	.14 - .14½
Japan, cs.	lb.	.18 - .18½
Montan bgs., c.l.	lb.	No prices
5 tons	lb.	No prices
less than 1 ton	lb.	No prices
Ozokerite, hard, green congeal, p. 66°-68° C., bgs.	lb.	No prices
70°-72° C., bgs.	lb.	No prices
74°-76° C., bgs.	lb.	No prices
Snow-white, pure, 76°-78° C., bgs.	lb.	No prices
yellow, natural, 76°-78° C., bgs.	lb.	No prices
Paraffin (see P).		
Spermaceti, blocks, cs.	lb.	.22 - .23
cakes, cs.	lb.	.23 - .24
White lead (see Lead, white).		
White pine bark, rossed, bls.	lb.	.07 - .08
White precipitate, powd., dms., 50 lbs. or more.	lb.	2.54 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works.	ton.	16.00 -20.00
l.c.l., works.	ton.	18.00 -22.00
bbls., c.l., works.	ton.	19.00 -24.00
l.c.l., works.	ton.	21.00 -26.00
pap. bgs., c.l., works.	ton.	15.00 -18.00
l.c.l., works.	ton.	17.00 -20.00
wet-grnd., blp., bgs., c.l., works.	ton.	18.50 -22.50
l.c.l., works.	ton.	19.00 -23.00
bbls., c.l., works.	ton.	21.00 -25.00
gilders, bolted, blp. bgs., c.l., works.	ton.	18.00 - —
l.c.l., works.	ton.	19.00 - —
bbls., c.l., works.	ton.	20.00 -21.00
l.c.l., works.	ton.	21.00 -22.00
pap. bgs., c.l., works.	ton.	17.00 -18.50
l.c.l., works.	ton.	18.00 -19.00
extra bolted, blp. bgs., c.l., works.	ton.	20.00 - —
l.c.l., works.	ton.	21.00 - —
bbls., c.l., works.	ton.	22.00 -23.00
l.c.l., works.	ton.	23.00 -24.00
pap. bgs., c.l., works.	ton.	19.00 -20.50
l.c.l., works.	ton.	20.00 -21.00
Paris white, blp., bgs., c.l., works.	ton.	19.00 - —
l.c.l., works.	ton.	20.00 - —
bbls., c.l., works.	ton.	22.50 -27.50
l.c.l., works.	ton.	22.00 -28.00
pap. bgs., c.l., works.	ton.	19.60 -25.10
l.c.l., works.	ton.	20.00 -26.50
limestone, air floated, 99.75%, 250 mesh, paper bags, c.l.,	ton.	9.65 - —
200 mesh paper bgs., c.l., same basis.	ton.	8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis.	ton.	6.25 - —
gilders, bgs. (extra), c.l., works.	ton.	11.50 - —
l.c.l., 8-20 tons, works,	ton.	12.50 - —
4-8 tons, works.	ton.	13.50 - —
2-4 tons, works.	ton.	14.50 - —
extra bgs. (extra), c.l., works,	ton.	12.50 - —
l.c.l., 8-20 tons, works.	ton.	13.50 - —
4-8 tons, works.	ton.	14.50 - —
2-4 tons, works.	ton.	15.50 - —
putty grade, bgs. (extra), c.l., works.	ton.	11.00 - —
l.c.l., 8-20 tons, works.	ton.	12.50 - —
4-8 tons, works.	ton.	13.00 - —
2-4 tons, works.	ton.	14.00 - —
water-floated, bgs. (extra, c.l., works.	ton.	11.50 - —
l.c.l., 8-20 tons, works.	ton.	12.50 - —
4-8 tons, works.	ton.	13.50 - —
2-4 tons, works.	ton.	14.50 - —
Precipitated, bgs., c.l., works,	ton.	15.00 - —
l.c.l., 5 tons, works.	ton.	20.00 - —
smaller lots, works.	ton.	25.00 - —
Wild cherry bark, thick, natural, bls.	lb.	.07 - .08
rossed, bls.	lb.	.05 - .06
thin, natural, bls.	lb.	.07 - .08
rossed, green, bls.	lb.	.10 - .11
Wild indigo root, bls.	lb.	.13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls.	gal.	.40 - .45
leaves, bls.	lb.	.07 - .08
Witherite (see Barium carbonate, natural)		
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N. Y.	ton.	24.00 -26.00
80 mesh, same basis	ton.	26.00 -28.00
100 mesh, same basis	ton.	30.00 -32.00
import, 70 mesh, bgs., ex dock,	ton.	No prices
80 mesh, bgs., ex dock.	ton.	No prices
100 mesh, bgs., ex dock.	ton.	No prices
120 mesh, bgs., ex dock.	ton.	No prices
Wormseed, American, bgs.	lb.	.07 - .08
Levant, bgs.	lb.	5.00 - 6.00
Wormwood, bls.	lb.	.35 - .40

X

Xylol (xylene), indus., dms., returnable, works.	gal.	.31 - —
tanks, E. of Omaha, frt. alld.	gal.	.26 - —
tanks, W. Coast, f.o.b. Minnequa, Colo.	gal.	.26 - —
10°, dms., returnable, works,	gal.	.34 - —
tanks, E. of Omaha, frt. alld.	gal.	.29 - —
5°, dms., returnable, works.	gal.	.41 - —
tanks, E. of Omaha, frt. alld.	gal.	.39 - —
3°, dms., returnable, works.	gal.	.48 - —
tanks, E. of Omaha, frt. alld.	gal.	.46 - —
Xylidin, mixed, dms.	lb.	.35 - .36

Y

Yara yara, cryst., cns.	lb.	1.25 - 1.65
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York.	lb.	.55 - —
bottles, same basis.	lb.	.60 - .64
imp., bbls., same basis.	lb.	.55 - —
Cadmium, CP, import., bxs.	lb.	1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works., frt. alld.	lb.	.50 - —
smaller lots, same basis.	lb.	.55 - —
kgs., ton lots, same basis,	lb.	.55 - —
smaller lots, same basis,	lb.	.60 - —
Sulphide, orange, bbls., works,	lb.	.75 - —
Chrome, CP., bbls., dlvd., N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul contracts.	lb.	.13½- —
open order.	lb.	.14½- —

Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Flaxseed Crush Up

OPD Washington Bureau
October 24, 1940

Thirty-four mills in the United States crushed flaxseed during the quarter ending September 30, 1940, reporting a crush of 194,395 tons of flaxseed and a production of 135,389,461 pounds of linseed oil, according to director of the census, William L. Austin. These figures compare with 190,787 tons of seed crushed and 134,326,190 pounds of oil produced for the corresponding quarter in 1939; 141,210 tons of seed and 98,407,203 pounds of oil in 1938; 214,649 tons of seed and 151,278,120 pounds of oil in 1937; and 136,142 tons of seed and 91,805,153 pounds of oil in 1936.

Stocks of flaxseed at the mills on September 30, 1940, amounted to 197,062 tons compared with 178,764 tons for the same date in 1939; with 84,542 tons in 1938; with 79,970 tons in 1937; and with 58,345 tons in 1936. Stocks of linseed oil reported by the crushers were 78,943,051 pounds on September 30, 1940, compared with 78,920,971 pounds for the same date in 1939; with 79,500,005 pounds in 1938; with 101,918,610 pounds in 1937; and with 54,297,273 pounds in 1936.

Smead & Small, Inc., Marks Twenty-Fifth Anniversary

E. R. Smead, president of Smead & Small, Inc., raw materials, oils and chemicals, Cleveland observed October 22 the twenty-fifth anniversary of entering business on his own account.

Mr. Smead, a member of the Fifty Year Club of the National Paint, Varnish Lacquer Asssociation, entered his business on his own account in 1914, after having been connected with the Cleveland Varnish Company as secretary and the Glidden Company as general salesmanager.

H. E. Manville, jr., only son of H. Howard Manville, who retired as chairman of the Johns-Manville Corporation in 1939 because of ill health, has been elected a director of the company.

mineral pigments

NATURAL AND SYNTHETIC

PURE CHROMIUM OXIDES are STRONG - INERT - PERMANENT

C K WILLIAMS & COMPANY
EASTON·PENNSYLVANIA

Yellow, Dutch, pink, bbls.....lb. .09 - .11
(Hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden A, bbls., works..lb. .05¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05¾- —
yellow A, bbls., works.....lb. .02½- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans fur import..lb. .02475 Nom.
New York (f.o.b)..lb. .02¾ Nom.
Philadelphia for import..lb. .02¾ Nom.
ex dock San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle...lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto, Boston, N. Orleans..lb. .02725 Nom.
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis. lb. .03¾ Nom.
New York.....lb. .03 Nom.
Pittsburgh .....lb. .03¼ Nom.
Portland, Seattle....lb. .03¾ Nom.
San Pedro, S. Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock. lb. .02¾ Nom.
from whse.....lb. .03¼- Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .16 - —
open order.....lb. .16 - —
Navy specification type, contracts..lb. .16 - —
open order.....lb. .16 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthoriza), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, via..oz. 2.85 - —

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., dlvd., lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12¼- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls...lb. .32½- —
25 lb. dms.....lb. .37½- —
kgs. .....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
USP, 200-lb. dms.....lb. .26 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l., works..lb. .0290- —
l.c.l., works.....lb. .04 - .04½
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c.l., dlvd.....lb. .09¼- —
l.c.l., bbls., dlvd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.35 - —
jars .....lb. 4.20 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report).
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
leaded, 5%, bgs., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
5%, bbls., c.l., dlvd., lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
35% bgs., c.l., dlvd..lb. .0616- —
l.c.l., dlvd., except Pct. cst..lb. .0641- —
ex whse., Pac. cst..lb. .0641- —
bbls., c.l., dlvd..lb. .0641- —
l.c.l., dlvd., except Pac.cst..lb. .0666- —
ex whse., Pac. cst..lb. .0666- —
50%, bgs., c.l., dlvd., except Pac. cst..lb. .0618- —
Pac. cst..lb. .0624- —
l.c.l., dlvd., except Pac. cst..lb. .0643- —
ex whse., Pac. cst..lb. .0643- —
bbls., c.l., dlvd..lb. .0643- —
l.c.l., dlvd., except Pac. cst..lb. .0668- —
ex whse., Pac. cst..lb. .0668- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
green seal, bgs., c.l., dlvd..lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
Zinc, oxide, French process, com'l, lead free, green seal, bgs., ex whse., Pac. cst..lb. .06½- —
bbls., c.l., dlvd..lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
red seal, bgs., c.l., dlvd.lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
bbls., c.l., dlvd.....lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —
white seal, bgs., c.l., dlvd..lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
bbls., c.l., dlvd..lb. .09 - —
l.c.l., dlvd., except Pac. cst..lb. .09¼- —
ex whse., Pac. cst..lb. .09¼- —
imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse..lb. No prices
white, seal, cks., ex whse..lb. No prices
USP, bbls., c.l.....lb. .09¾- —
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Zinc, stearate, tech., precip., bbls., ctns., c.l..lb. .22 - —
Zinc, stearate, tech., precip., bbls., ctns., l.c.l., 1 ton..lb. .23 - —
1,000-2,000 lbs.....lb. .24 - —
less than 1,000 lbs...lb. .25 - —
USP. bbls.....lb. .23 - .26
Sulphate, cryst., bgs., c.l..... 100 lbs. 2.90 - —
l.c.l. .....100 lbs. 3.65 - —
bbls., c.l.....100 lbs. 3.05 - —
l.c.l. .....100 lbs. 3.80 - —
flake, bgs., c.l.....100 lbs. 3.25 - —
l.c.l. .....100 lbs. 4.00 - —
bbls., c.l.....100 lbs. 3.40 - —
l.c.l. .....100 lbs. 4.15 - —
powd., bgs., c.l.....100 lbs. 4.55 - —
l.c.l. .....100 lbs. 5.30 - —
bbls., c.l.....100 lbs. 4.70 - —
l.c.l. .....100 lbs. 5.45 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .07½- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd..lb. .07¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08 - —
barium, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .05¼- —
calcium pigments, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .05¼- —
magnesium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .05½- —
Sulphocarbolate, NF., bbls., dms..lb. .24 - .29
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —

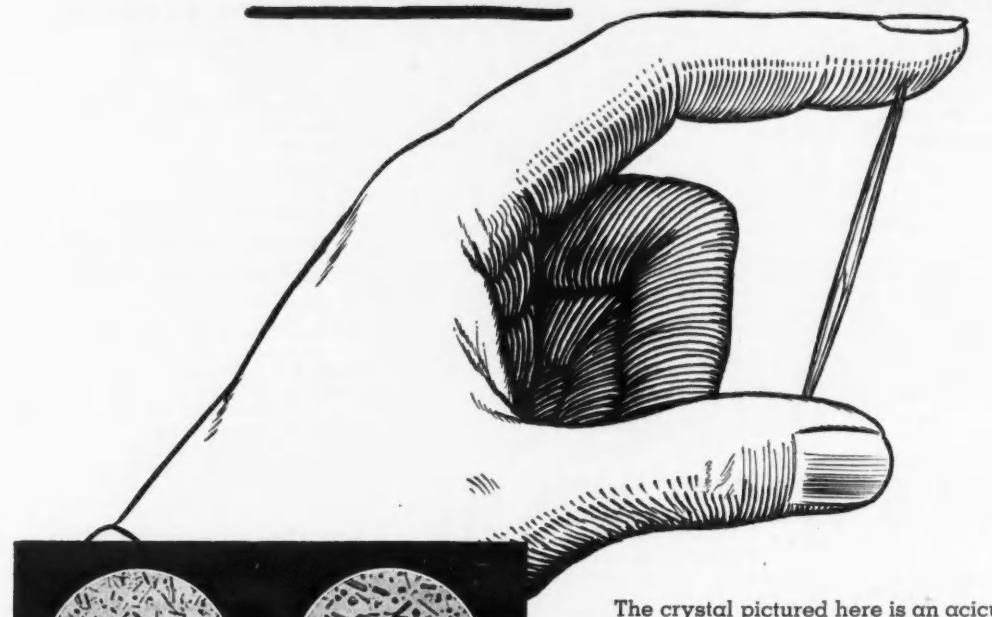
Yellow, Dutch—Zirconium

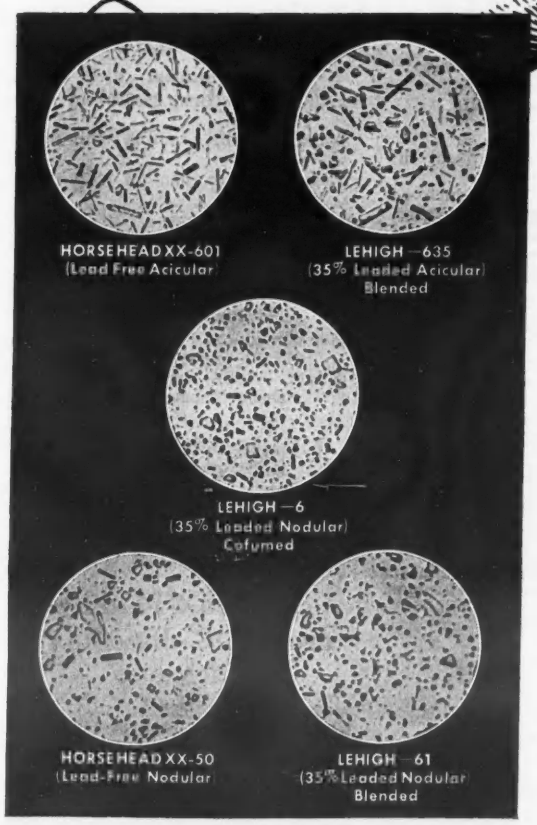
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., except Pac. cst..lb. .05¾- —
ex whse., Pac. cst..lb. .05¾- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.75.00 -100.00
white, 98%, grd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the Oct. 7 issue; the next printing will be in the Nov. 4 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 37.

What's this got to do with Acicular Zinc Oxide?





The crystal pictured here is an acicular zinc oxide crystal (life size 2") produced in our own furnaces at Palmerton, Pennsylvania.

A freak? Yes! And it's not much good in paint. Paint chemists have learned that there's something more to zinc oxide than just acicularity that makes for better house paint durability . . .

That in many paint formulations a nodular zinc oxide may be even more desirable . . .

That neither type (acicular or nodular) can be considered a "cure-all," because factors other than particle shape play a part.

It is on this basis that New Jersey Zinc has developed its broad range—the most complete line of zinc oxides for outside house paints.

See for yourself what these outstanding acicular or nodular zinc oxides shown at left will do for your house paint formulas. Try 30% to 35% of the lead-free types or 45% to 50% of the leaded types.

THE NEW JERSEY ZINC CO., 160 Front Street, New York

Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Seven-hundred-twentieth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Acetyl Triethylcitrate

Adhesives

Plasticizer in—
- Adhesive compositions containing cellulose acetate

Cellulose Products

Plasticizer for—
- Cellulose acetate

Ceramic

Plasticizer in—
- Compositions, containing cellulose acetate, used as coatings for protecting and decorating ceramic products

Chemical

Plasticizer for—
- Cellulose acetate

Plasticizer offering following properties—
- Colorless, odorless liquid
- Compatible with most plastic materials
- Great resistance to hydrolysis
- Very low volatility

Electrical

Plasticizer in—
- Insulating compositions, containing cellulose acetate, used for covering wire and in making electrical machinery and equipment

Glass

Plasticizer in—
- Compositions, containing cellulose acetate, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Leather

Plascitizer in—
- Compositions, containing cellulose acetate, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metal Fabricating

Plasticizer in—
- Compositions, containing cellulose acetate, used as coatings for protecting and decorating metallic articles

Miscellaneous

Plasticizer in—
- Coating compositions, containing cellulose acetate, used for protecting and decorating articles of various sorts

Paint, Varnish, and Lacquer

Plasticizer in—
- Paints, varnishes, lacquers, enamels, and dopes containing cellulose acetate

Paper

Plasticizer in—
- Compositions, containing cellulose acetate, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp

Photographic

Plasticizer in making—
- Films from cellulose acetate

Plastics

Plasticizer in making—
- Laminated fiber products
- Molded products
- Plastics from or containing cellulose acetate

Resins

Plasticizer in making—
- Artificial resins from or containing cellulose acetate

Rubber

Plasticizer in—
- Compositions, containing cellulose acetate, used as coatings for protecting and decorating rubber goods

Stone

Plasticizer in—
- Compositions, containing cellulose acetate, used as coatings for decorating and protecting artificial and natural stone

Textile

Plasticizer in—
- Compositions, containing cellulose acetate, used in the manufacture of coated fabrics

Wood

Plasticizer in—
- Compositions, containing cellulose acetate, used as protective and decorating coatings on woodwork

---

2-Amino-2-methyl-1:3-propanediol

Chemical

Absorbent for—
- Acidic gases

Emulsifying agent in soap form

Reactant in—
- Organic syntheses

Suggested as emulsifying agent in making—
- Emulsions of various chemicals
- Textile lubricants in emulsified form

Fats, Oils, and Waxes

Emulsifying agent for—
- Fats
- Oils
- Waxes

Suggested as emulsifying agent in making—
- Emulsified boring oils
- Emulsified cutting oils
- Emulsified drilling oils
- Emulsified greasing compositions
- Emulsified lubricating compositions
- Emulsified sulphonated oils
- Emulsified wire-drawing oils

Miscellaneous

Suggested as emulsifying agent in making—
- Polishes of various kinds, such as those for furniture, automobiles, metal, floors, and other articles
- Waterproofing compositions of the emulsified wax type

Soap

Suggested as emulsifying agent in making—
- Emulsified soaps and detergent compositions

Textile

Suggested as emulsifying agent in making—
- Emulsified compositions used in textile processing and finishing

---

Ammonium Sulphamate

(Sulfamate d'Ammoniaque, Sulfamate d'Ammonium, Sulfaminsauresammon, Sulfaminsauresammoniak, Sulfaminsauresammonium, Sulphamate of Ammonia)

Building Construction

Fire retardant for treating—
- Insulating papers and other insulating materials

Chemical

Sulphamic acid salt offering following properties—
- Extremely soluble in water
- Solution stable on boiling
- White, crystalline solid

Firefighting

Fire retardant for treating—
- Inflammable materials (said not to impart stiffening effect or otherwise adversely affect the handle or appearance of treated materials)

Herbicide

Exterminator for—
- Canada thistle
- Ragweed
- Poison ivy
- Various weeds

Paper

Fire retardant for treating—
- Paper

Textile

Fire retardant for treating—
- Fabrics

1:4-Bis-(4'-nitrobenzenesulphonamido)benzene

Pharmaceutical

Claimed (Brit. 502173) as—
- Therapeutically valuable agent for treating bacterial infectious diseases

---

Dibenzyldimethyldi-(3:4-dichlorobenzyl)-trimethylene-Diammonium Bromide

Insecticide

Mothproofing agent (Brit. 483368) for treating—
- Feathers and fibrous materials of animal origin, such as spun or unspun wool (claim is made that it can be applied from neutral or slightly alkaline aqueous solutions and is very fast to washing)

Diethylaminoethyl Paraaminobenzoate

Chemical

Starting point (Brit. 230089) in making—
- Anesthetics by reacting with picric acid
- Antiseptics by reacting with picric acid

Di-(1-hydroxy-2-naphth)-benzidide

Photographic

Color component (Brit. 458400, 465823, 475,191, and 479838) in—
- Silver halide emulsions used in making three-color photographs

---

1-Isobutylthiolbenzothiazole

Insecticide

Toxic agent (Brit. 500197) in—
- Emulsified insecticidal compositions

3''-Nitro-4':4'-dihydroxy-3:3'-dimethoxyfuchsone

Dye

Intermediate (Brit. 485228, 485266, and 502216) in making—
- Synthetic dyestuffs

Pharmaceutical

Claimed (Brit. 485228, 485266, and 502216) to have—
- Medicinal properties

Nitropropanes

(Additional uses—supplementary to those given in the OIL, PAINT AND DRUG REPORTER, *March* 20, 1939, *page* 32A*)*

Cellulose Products

Solvent for—
- Cellulose acetate
- Cellulose acetobutyrate
- Cellulose acetopropionate
- Nitrocellulose

Dye

Solvent for—
- Dyestuffs

Fats, Oils, and Waxes

Solvent for—
- Fats
- Waxes

Resins

Solvent for
- Alkyd resins
- Vinyl resins
- Other resins

Onguekoa Gore Seed Oil

Fats and Oils

Oil with following characteristics—
- Disagreeable odor in crude state
- Fluorescent
- Glyceryl radical, 3.5 percent
- Green color
- Refractive index, 1.5098
- Saponification value, 187
- Saturated acids, 2.0 percent
- Specific gravity, 0.9838 at 20°C/4°C
- Unsaponifiable matter, 1.1 percent
- Unsaturated acids, 92.3 percent
- Volatile and insoluble matter, 3.1 percent

Potassium Borate

(Borate of Potash, Borate di Potasse, Borate Potassique, Borate de Potassium, Borota de Potasia, Borato Potasico, Borota di Potassio, Borsaureskalium, Borsaurespotasche)

Chemical

Ingredient (U.S. 1215334) of—
- Catalytic mixtures for—
  - Dehydrogenation processes
  - Hydrogenation processes

Starting point in making—
- Potassium acetylsalicylate (U. S. 1217862)
- Potassium chloride (U.S. 1304097)

Dental

Ingredient (U.S. 1408960) of—
- Dental cement

Disinfectant

Ingredient (U.S. 1336272) of—
- Antiseptic

Electrical

Process material (U.S. 1326605) in making—
- Arc-lamp electrodes

Fuel

Ingredient (U.S. 1271387) of—
- Binder for coal and coke briquets

Metallurgical

Ingredient (U.S. 1314839, 1314840, 1314841, and 1314842) of—

Electrolyte for etching—
- Brass
- Steel
- Copper
- Zinc
- Nickel

Miscellaneous

Antifoaming agent (U.S. 1440973) in—
- Brine

Ingredient (U.S. 1370278 and 1417139) of—
- Brine

Soap

Ingredient (U.S. 1419625) of—
- Detergent

Uses and Applications *of Chemicals and Related Materials* • A cloth-bound book of 665 pages (6 x 9) containing information similar to that above on 5167 materials • **$10** postage paid in U. S. 39c postage elsewhere

Oils, Fats, and Waxes

Tallow and Grease Prices Again Move Upward — Copra and Coconut Oil Firm — Cottonseed Oil Futures Irregular Within a Narrow Range—General Market Quiet

Trade in miscellaneous oils, fats and greases was still generally slow last week although there were reports of some increase in the volume of inquiries received for certain vegetable, animal and fish products. As a rule, however, actual transactions were still of the same hand-to-mouth character noted in recent preceding weeks, consumers being disinclined for one reason or another to purchase in advance of immediate needs despite the existing low prices for many domestic and imported products. There were few changes in quotations, the prevailing tone being steady. Offerings were noticeably light in many instances and the opinion was held in some selling quarters that an expansion in business after the national election is out of the way would not be surprising, as stocks in the hands of many manufacturing consumers are believed to be unusually light while consumption of raw materials in various fields is believed to be on the increase.

Vegetable Oils

Castor, Dehydrated. — Tone steady. Selling schedules held at previous levels. Trade fairly active.

Chinawood. — Somewhat better inquiry reported at times. Shipment offerings light. Prices firm abroad. Local quotations maintained. Importations here last week, 400 tons.

Coconut.—Crude firm at recent advance. Inquiry somewhat better. Copra in upward trend. Refined oil steady with fair demand.

Corn. — Crude offerings light and prevailing tone firm. Inquiry fairly active. Refined in fair demand and steady.

Cottonseed. — Edible oil stationary. Market tone steady. Business fairly active.

Oiticica. — Inquiries received more numerously in some quarters. Offerings light. Market steady.

Olive. — Uncertainty as to future supplies still reflected in light offerings. Market firm. Quotations nominal.

Peanut.—Reports of better inquiry, crude and refined. Prevailing tone steady.

Perilla. — Fair inquiry. Offerings light. Tone steady.

Rapeseed. — Spot stocks light and quotations mainly nominal. Fair inquiry.

Sesame.—Crude sesame oil, produced from Chinese seed, available on Pacific Coast at 7¼c. per lb. in tankcars.

Soybean. — Contract movement reported steady. New business somewhat better. Market steady.

Trading in soybean oil futures on the New York Produce Exchange from October 19 to October 25, inclusive, consisted of 1 contract, a total of 60,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
May	4.25	4.25	4.21@4.25
December	...	...	4.16@4.34

Markets at Other Centers

Chicago, Oct. 25.—Buying of vegetable oils is moderate but steady.

COCONUT.—Crude, Pacific Coast, October-forward, 2½c. to 2⅝c. per pound. Refined, edible oil, 7¼c. to 7½c. per pound, drums, car lots; and 8c. to 8¼c., drums, less than car lots.

CORN.—Crude, low acid, 5⅛c. to 5¼c. per pound. Refined, edible oil, 7½c. to 8c. per pound, drums, car lots; and 8¼c. to 8½c., drums, less than car lots.

SOYBEAN.—Crude, 3¾c. to 4c. per pound.

The market for soybeans on the Chicago Board of Trade was fairly active. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing	
			Oct. 25.	Oct. 18.
Cash	84¾	81	....	79
December	86¼	81	84½	80⅝
May	87⅞	82¾	86	80½

San Francisco, Oct. 23.—Vegetable oils quiet but generally steady.

COCONUT.—Sales at 2⅜c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills, with mills tending to stand firm today at 2.45c. to 2.50c. per pound. Good interest in market. Copra 1.45c. to 1.50c.

Price Changes

Advanced

Beeswax, white, bleached, 1½c. per lb.
crude, ½c. per lb.
Copra, 1-10c. per lb.
Grease, ½c. to ¾c. per lb.
Linseed meal, $1 per ton.
Tallow, ¼c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
95.6	**95.5**	**95.2**	**106.6**

Market news that may have developed after this report was sent to press will be found on page 4.

CHINAWOOD. — Quiet and steady. Quoted at 25½c. per pound in tankcars, f.o.b. Pacific Coast ports.

OITICICA.—Raw liquid oil quoted 19c. per pound in drums, f.o.b. San Francisco. Tankcars, quoted at 18c. Demand fair.

COTTONSEED.—Domestic bleachable oil quoted 5⅝c. per pound in tankcars, f.o.b. northern California mills.

PERILLA.—Quoted at 16½c. per pound in tankcars, duty paid, f.o.b. San Francisco. Offerings scarce; old crop said to be cleaned up in the Orient.

SESAME.—Crude sesame oil quoted on the basis of 7¼c. per pound in tankcars, f.o.b. San Francisco. Material made from Chinese seed, crushed locally. All available seed from last crop now reported shipped out of China.

Linseed Oil

Flaxseed prices irregular in domestic and foreign markets. Linseed oil and cake steady. Meal firmer.

Flaxseed—DULUTH, Oct. 25.—Small receipts and good oil and meal business firmed up flax trends during the week. Receipts were much less than those of a year ago. The week's closing price range was as follows:—

	Cash.	Dec.
Saturday	$1.47½	$1.46½
Monday	1.49	1.47
Tuesday	1.49¾	1.47
Wednesday	1.49½	1.47½
Thursday	1.49	1.47
Friday	1.49¼	1.46½

Crop movement in bushels follows:—

	Receipts		Shipments	
	1940.	1939.	1940.	1939.
This week	77,418	164,234	129,397	270,274
Since Aug. 1..	5,153,934	3,515,061	2,435,031	1,969,542

MINNEAPOLIS, Oct. 25.—Cash flax demand is very good and premiums are firmer than they were a week ago. Demand was sharpest for diversion point offers due to the urge to fill out cargoes before the close of navigation, for movement to lake shore ports or for winter storage in these ports. With the movement from first hands dwindling buyers for these eastern mills are bestirring themselves in order to get supplies moving before the freeze-up comes. According to statistics there is very little left of the large crop of flaxseed and with linseed oil trade transcending all expectations crushers are somewhat worried over prospects of obtaining flax requirements of the interim between now and movement of new Argentine supplies.

Most of the flax moving to market now is of good quality. There are a few cars of low grade rain damaged quality moving in but even this seed finds prompt outlet. Due to the fact that the crop is disappearing so rapidly seed house buyers are showing interest and are picking up choice cars as they appear on the market. Demand for drugstore quality also is showing a little more force.

The week's closing price range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.47½	$1.45	$1.50
Monday	1.48	1.46	1.50
Tuesday	1.49¾	1.46¾	1.50½
Wednesday	1.49½	1.46½	1.50¼
Thursday	1.49	1.46	1.50
Friday	1.49¼	1.46¼	1.49¾

Crop movement in bushels follows:—

	Receipts		Shipments	
	1940.	1939.	1940.	1939.
This week	201,500	95,200	53,200	40,600
Since Sept. 1..	7,017,900	2,973,200	545,200	988,600

WINNIPEG, Oct. 25.—The week's closing flaxseed price range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.18	$1.15¼	$1.19¾
Monday	1.18¼	1.15⅝	1.19⅝
Tuesday	1.18½	1.15⅝	1.19⅝
Wednesday	1.19⅝	1.17⅜	1.21
Thursday	1.19	1.17⅛	1.20⅜
Friday	1.19	1.17⅜	1.20½

BUENOS AIRES, Oct. 25.—Flaxseed, November, 67c. per bushel. Exports this week to United States, 252,000 bushels; others, 31,000 bushels. Total since January 1 as follows:—

To—	Bushels	
	This year.	Last year.
United States	10,672,000	12,173,000
United Kingdom	5,896,000	2,220,000
Continent	11,856,000	21,343,000
Orders	606,000	8,078,000
Others	1,154,000	2,520,000
Totals	30,184,000	46,334,000

Visible Supply

	Bushels.
Last week	4,724,000
Previous week	5,118,000
Last year	2,165,000

Linseed Oil.—Changes in flaxseed quotations were generally moderate last week and the local oil situation continued to rule steady, quotations being maintained by crushers at previous levels. The movement here to consumers and dealers on contracts held up well but new business was rather quiet, such inquiries as were noted being for comparatively small quantities for prompt shipment. Crushers were reported as good buyers of cash flaxsed in Northwestern

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND
RED OIL
(OLEIC ACID)
RUBY OLEINE
BRAND (*distilled*)
STAR BRAND
(*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)
PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
220 East 42nd St., New York City
Branches and stocks in all large cities

EMERY
America's largest producers of
STEARIC and OLEIC ACIDS
All Grades Saponified and Distilled
FATTY ACIDS • GLYCERINE • PITCH
SPECIAL FATTY ACID DERIVATIVES
Since 1840
EMERY INDUSTRIES, INC.
Originators of Twitchell Process
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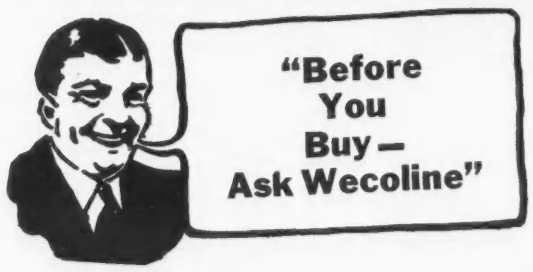
Stocks in all Principal Cities

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.



Distilled Vegetable Fatty Acids
You will find that Wecoline's *different* refining and distilling methods are doing big things for Fatty Acids.
For instance, they bring out an unsurpassed *clarity* and *purity* . . . *brilliancy* and *uniformity*, too. A great help to the production of the newer synthetics requiring Fatty Acids of Quality.
And you pay no price premium for the improved Wecoline quality.
Specifications—Samples Gladly Sent
COCONUT SOY BEAN
LINSEED TEASEED
OLIVE OIL COTTON SEED
SPECIAL FATTY ACIDS:
STEARIC LAURIC CAPRIC
CAPRYLIC WHITE OLEIC
MYRISTIC
WECOLINE Products, Inc. BOONTON, N.J.
Sales Offices NEW YORK . . . . . CHICAGO . . . . . BOSTON

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

WOBURN HIGH QUALITY FATTY ACIDS HAVE BEEN THE STANDARD FOR YEARS FOR THE MANUFACTURE OF ALKYDS OF ALL TYPES

(Linseed, Soybean, Perilla, Sunflower, Isoline, Cocoanut, Lauric, Helioline-D)

WOBURN FATTY ACIDS FOR SOAP MAKING LOWER THE COST AND IMPROVE THE QUALITY OF THE SOAP

(Cottonseed, Palm, Cocoanut, Olivine, Distoline, Helioline-D)

WOBURN DRYING OIL (DEHYDRATED CASTOR OIL) PRODUCES THE MOST DURABLE OF ALL FILMS AND FILMS WITH SUPERIOR COLOR RETENTIVE PROPERTIES

(Isoline—Pat. No. 1,892,258)

WOBURN DEGREASING COMPANY OF NEW JERSEY

Chemical Division HARRISON, N.J.

Rheem
REGISTERED TRADE MARK

Manufacturers of "Oil Type" and full removable cover "QUICK LOX" steel shipping drums *Protect-O-Lined* for safe and inexpensive shipping of—

Sulphonated Oils
and similar products

Write, wire or phone to us today for prices, samples or any other information which you require.

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Mitchell 2-8465

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1401 Lockwood Drive
Preston 3131

CHICAGO, ILL.
3425 So. Kedzie Avenue
Lafayette 1435

NEW ORLEANS, LA.
1115 So. Liberty Street
Raymond 7301

centers and cash premiums were well maintained. Receipts at terminal points were moderate and no increase in the movement is expected in the near future as country offerings were said to be dwindling. The quality of the seed received in Northwestern markets was reported as good.

MINNEAPOLIS, Oct. 25.—Demand for linseed oil is not big but it is steady in a moderate way and crushers are unable to sell much because they already are well sold out for the balance of this year.

There is some buying for shipment next year but interest is subdued some by the weak tone of the Buenos Aires flax market.

Quotations on oil in carload lots f.o.b. Minneapolis, tankcars, 7.5c. per pound; cooperage car lots, 8.1c. per pound; warehouse lots, 8.5c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week.....	3,350,000	3,180,000
Since Sept. 1.....	30,650,000	28,020,000

SAN FRANCISCO, Oct. 23.—Linseed oil quiet. Trading basis thought to be about one point beneath quoted tankcar price. Deliveries good. Quoted:—Tankcars, 7.5c. per pound; drum car lot ex-mill, 8.1c.; drum lots ex-warehouse, 8.5c.

CHICAGO, Oct. 25.—Linseed oil fairly active. Tankcar, 7.5c. per pound, tankcar; drums, car lots, 8.1c.; drums, less than car lots, 8.5c.

Cake and Meal.—Trade in meal fairly active here and market firm at advance of $1. per ton. Cake quiet and nominal.

MINNEAPOLIS, Oct. 25.—Belated and limited movement of the soybean crop is having sharp effect on the linseed meal market. So far the meal has been offered very sparingly where liberal pressure was expected 30 days back. Reduction of the government estimate of bean production also stimulated interest in linseed meal with the result that all of the offerings here are snapped up as they appear.

Quotations on carload lots, f.o.b. Minneapolis, 100 pound sacks, $26 to $26.50 per ton.

Shipments of meal in pounds were as follows:—

	1940.	1939.
This week.....	7,040,000	4,200,000
Since Sept. 1.....	59,401,000	34,690,000

CHICAGO, Oct. 25.—Linseed meal active. Round lots, $25 per ton, mostly nominal; car lots, $25 to $25.50; less than car lots, $27 to $28.

Cottonseed Oil

Refined cottonseed oil futures quiet with narrow changes in quotations. Crude oil quiet and easy. Meal firm. Cotton picking active.

Cottonseed Oil.—There were few developments of interest in the market for refined cottonseed oil futures last week. Many local and outside traders were still disposed to adhere to a waiting attitude pending further developments abroad as well as in the political situation in this country, and speculative operations were on a small scale with corresponding narrow fluctuations in prices. On upturns hedge selling was reported. On soft spots commission houses and local traders made purchases. Price movements in the Chicago market for lard futures were within comparatively small limits.

Southern markets for crude cottonseed oil were a shade easier at one time, but offerings continued to be reported as light with the movement of seed to the mills still below expectations for this period of the year. Vegetable products which compete with cottonseed oil were generally steady or firm. Copra was higher and crude coconut oil was maintained at the recent advance, with reports of some increase in the inquiry. Sales of tallow and grease were reported at higher prices. There were reports of a somewhat better demand for shortening and cash refined cottonseed oil. The weight of the hogs received in Chicago during the week ended October 19 averaged 221 pounds, against 223 pounds in the previous week, and 226 pounds in the week before that.

Weather conditions over the cotton States were generally favorable for field work, and cotton picking made good to excellent progress, according to the weekly government report. Harvesting was rather slow, however, on some lowlands in the north central cotton belt.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from October 19 to October 25, inclusive, consisted of 309 contracts, a total

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of 18,540,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks High.	Low.	Close.
January	5.42	5.35	5.41@5.46
March	5.60	5.45	5.54@5.56
May	5.68	5.53	5.63 sale
December	5.45	5.36	5.40 sale
Crude, Southeast, .04½c.	Nom.		

Chicago, Oct. 25.—Demand for cottonseed oil has been relatively good here lately. Refined, edible oil is 7½c. to 8c. per pound, drums, car lots; and 8¼c. to 8½c., drums, less than car lots.

Cake and Meal.—Southern markets generally reported as firm with prompt meal offerings light and demand fairly active.

Markets at Other Centers

Atlanta, Oct. 23.—Cottonseed meal strong at $27.50 to $28 per ton for 8 percent. Crude oil easy around 4⅜c. per pound. Cotton harvesting completed in the Southeast except in northeastern sections.

Memphis, Oct. 25.—Crude cottonseed oil sold in fair volume at 4⅜c. per pound, Valley basis. Mills reluctant sellers, claiming price under cost of production. Meal up to $27.50 per ton, Memphis basis, a new high for season. Bulk cake $25 per ton. Demand for cake and meal active. Bulk hulls $8 per ton at mill points. Seed $23 bid. Weather favorable for picking and ginning but seed movement comparatively light, indicating holding back at gins and plantations. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Oct. 17.	Oct. 24.
December	$24.50@—	$25.90@—
January	23.95@—	25.10@—
March	23.75@—	24.65@—
May	23.75@24.00	24.50@—

Fatty Acids

Capric Acid.—Fairly active request from local and other consumers. Market steady.

Castor Oil. — Increase noted in volume of orders for moderate lots. Quotations stationary.

Coconut Oil. — Buying continued along conservative lines. Market tone firm.

Cottonseed Oil. — Steady contract movement. Transient business fairly active. Prices maintained.

Lauric Acid.—Somewhat larger request for moderate quantities. Tone continued steady.

Palm Oil.—Fair movement to local and other soap makers. Prices maintained.

Red Oil.—Contract movement reported holding up well. New business fairly active. Tone firmer.

Soybean Oil.—Buying interest stimulated by recent developments in basic material. Market steady.

Stearic Acid.—Strength of raw material reflected in improved trade and firmer tone.

Chicago—Oct. 25

A generally firm undertone prevails in fatty acids.

RED OIL.—Distilled or saponified, 6¼c. to 7¼c. per pound.

STEARIC ACID.—Distilled, single press, 8½c. to 9½c. per pound; double press, 9c. to 10c.; triple press, 11¾c. to 12¾c.

FATTY ACIDS.—Corn oil, double distilled, 8¼c. to 8½c. per pound, tankcar; 8¾c. to 9c., drums, car lots; 9¼c. to 9½c., drums, less than car lots; coconut oil, acidulated, 9¼c. to 9½c. per pound, tankcar, mostly nominal; 9¾c. to 10c., drums, car lots; 10¼c. to 10½c., drums, less than car lots; cottonseed oil, double distilled, 7¼c. to 7½c. per pound, tankcar; 7¾c. to 8c., drums, car lots; 8¼c. to 8½c., drums, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2⅝c. to 2¾c.; boiled down soap stock, 65 percent basis, 3⅝cc. to 3¾c.; cottonseed foots, 50 percent basis, 1⅜c. to 1½c.

Fish Oils

Cod.—Fairly active inquiry. Offerings light, spot and shipment. Market steady.

Menhaden. — Refined oil fairly active, purchasing generally being limited to moderate lots. Market firm.

Sardine.—Demand for refined stimulated by recent developments in crude. Local tone firmer.

Sperm.—Steady movement to local and other consumers. Quotations maintained.

Whale.—Refined oil steady. Business fairly active in a jobbing way.

Markets at Other Centers

Baltimore, Oct. 23.—Crude menhaden quiet and nominal, but market tone firmer in company with grease and tallow. There are apparently no prospects of important additions to oil supplies, as the New Jersey fish factories have already cut out for the season and the catch in Chesapeake Bay and outside the Virginia capes is reported to have been not more than 300,000 fish during the past week after several preceding weeks entirely barren of hauls.

San Francisco, Oct. 23.—Sardine oil booked for delivery on an if-and-when-produced basis at 27c. per pound in tankcars, f.o.b. point of production. At the same time, interrupted for a few days by a full moon, fishing operations were proceeding magnificently and large tonnages were being poured into the jaws of the reduction machines. California Sardine Products Institute reported that the week ending October 18 accounted for 3,881 tons at San Francisco Bay and 9,962 tons at Monterey, bringing the seasonal total up to 27,968 tons.

Fish were running heavily. Three fishing boats were swamped and lost during the week, their foundering being attributed to overloading, plus rough seas.

General opinion had it that continually good fishing would tend to soften the market. That the season is still far behind its standing as of a year ago is seen in the fact that as of October 20, 1939, 119,546 tons of fish had been caught and turned in, compared with 27,968 tons so far this season. Continued good fishing, however, will probably make this difference considerably smaller within the next few weeks.

Fats and Greases

Grease.—Market firmer. Offerings light. Reports of sales at ⅛c. to ¼c. advance.

CHICAGO, Oct. 25. — Choice white grease, 37⅛c. to 41⅛c. per pound; yellow, 33⅜c. to 35⅝c.

Lard.—Fair domestic trade reported. Export movement continued light. Changes in prices narrow.

CHICAGO, Oct. 25.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing Oct. 25.	Oct. 18.
Cash	$4.77	$4.65	$4.65	$4.70
December	4 85	4.70	4.70	4.80
May	6.17	6.05	6.05	6.17

Stearin.—Offerings light here. Tone firm. Fair inquiry.

CHICAGO, Oct. 25.—Prime oleo stearin, 5½c. to 5¾c. per pound; lard, 6c. to 6¼c.

Tallow.—Offerings continued light. Sellers firmer in their views. Inquiries more numerous. Sales at ¼c. advance.

CHICAGO, Oct. 25.—Tallow, tierces, prime, 4c. to 4¼c.; special, 3⅝c. to 3⅞c.

Trading in tallow futures (old contracts) on the New York Produce Exchange from October 19 to October 25, inclusive, comprised 5 contracts, a total of 300,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks High.	Low.	Close.
January	...	...	4.25 bid
November	4.00	4.00	4.25 bid

Animal Oils

Degras.—Buying interest stimulated by recent developments in outside markets. Tone firmer.

Lard.—Increase reported in request for moderate lots of all grades. Market firm.

CHICAGO, Oct. 25.—No. 1 lard oil, 7¼c. to 7½c. per pound.

Neatsfoot. — Quotations maintained. Tone firm. Business showed improvement.

Oleo.—Somewhat better inquiry reported. Stocks light or moderate. Prices maintained.

CHICAGO, Oct. 25.—Extra oleo oil, 7c. to 7¼c. per pound.

Tallow.—Tone remained firm. Trade fair.

CHICAGO, Oct. 25.—Acidless tallow oil, 6½c. to 6¾c. per pound.

Waxes

Bees. — Higher. White, bleached, 36½c. to 38½c. per pound according to variety. Crude, African, 29c. per pound nominal. Brazilian crude, one cent per pound. Advancing market on bleached due to rising cost of crude and scarcity of same.

Candelilla. — Advanced maintained. Undertones strong.

Carnauba.—No further advance in spot or shipment prices. Local market strong. Not much offered spot. New crop late. Some not suffering new crop futures save at prices fully protecting seller.

Japan.— Strong with tendency upward.

Edwal Laboratories Adds W.B. Hendrey to Staff

Dr. W. B. Hendrey until recently assistant director of research for Spencer Kellogg & Sons, has joined the staff of Edwal Laboratories, Chicago, as chief chemist. Before joining Spencer Kellogg in 1937, Dr. Hendrey spent nine years in various phases of research with the Texas Company.

Dr. W. B. Hendrey

Under Dr. Hendrey's supervision, the Edwal Laboratories plans to increase consulting, research, and manufacturing operations for the account of others in the field of refining, processing, and utilization of drying and other oils, and in the utilization of by-products.

Peanut Freights Cut

The Interstate Commerce Commission has authorized interstate railroad rates on shelled and unshelled peanuts between points in Texas without regard for the long-and-short haul provision of the interstate commerce act. Most rates were drastically reduced to meet truck competition. For example, rail rates between Carbon and Dallas, Texas, formerly 41 cents on shelled and 33 cents on unshelled peanuts, now become 15 cents on shelled and 12 cents on unshelled peanuts.

Soybean Sept. Crush Up

Fifty-seven mills in the United States crushed soybeans during the quarter ending September 30, 1940, reporting a crush of 314,120 tons of soybeans and a production of 103,450,872 pounds of oil, according to the Bureau of Census. These figures compare with 233,821 tons of beans crushed and 74,461,357 pounds of oil produced for the corresponding quarter in 1939; 197,872 tons of beans and 62,750,976 pounds of oil in 1938; and 81,569 tons of beans and 24,334,362 pounds of oil in 1937.

Stocks of soybeans reported by the crushers on September 30, 1940, were 11,801 tons compared with 28,938 tons in 1939, 10,209 tons in 1938, and 8,787 tons in 1937. Stocks of soybean oil reported by the crushers were 18,385,549 pounds on September 30, 1940, compared with 9,068,917 pounds for the same date in 1939, 22,858,222 pounds in 1938, and 4,932,524 pounds in 1937.

Soybean Oil Trading Rules Are Revised

Changes in several rules for trading in soybean oil meal and soybean oil were adopted by the National Soybean Processors Association at a meeting October 18. Principal changes fixed a maximum moisture for soybean oil meal when shipped at 12.5 percent, set up methods of sampling meal within twenty-four hours of its arrival at destination, and further strenghtened the rules on arbitration and contingencies.

Edward M. Skeehan has been elected treasurer of the Barnsdall Oil Corporation, Tulsa, succeeding the late Lawrence D. Messner.

Distributing & Trading Company, wax merchants, has moved to larger quarters at 444 Madison avenue, New York. The company previously was located at 21 West street.

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Drugs, Fine Chemicals

Methanol 1941 Contracts Guarantee Present Price Through First Quarter — Mexico May Embargo Quicksilver Exports —Synthetic Menthol Shows Strength—Demand Good

The principal announcement made last week in the market for drugs and fine chemicals was that relating to 1941 contracts on methanol. Other major materials in the market pursued a quiet but virtually strong way throughout the period. Prices showed strength at well maintained positions, being well supported by both replacement cost of raw materials and the current volume of consuming request.

Present methanol prices were guaranteed through the first quarter of 1941. Contracts for 1941 requirements will be offered November 1 and will contain the usual quarterly price adjustment clause. Given a market free from other influential factors, formaldehyde, hexamethylenetetramine, and paraformaldehyde should ride through the first quarter of 1941 at unchanged prices.

Reports from Mexico suggested that an export embargo on shipments of quicksilver to Japan will be put into effect. An investigation in San Francisco followed the recent arrival there of a large lot of Mexican metal destined for Japan. Spot acuvity in mercury was moderate last week. Mercurials held steady.

Tartar products showed unchanged strength but all signs suggested that any change in the market would be toward stronger position. Quinine was very firm and the situation affecting Japanese and Netherlands Indies certainly was no less strained than it had been.

Acetanilide.—Steady. Normal quantities moving to buyers. Outlook satisfactory.

Acetone.—Fair call. Steady price.

Acetophenetidin. — Demand moderate to fair. Undertone firm.

Acid, Acetylsalicylic.—More active. Gain in sales seasonal.

Acid, Arsenous.—Normal activity. Very firm prices.

Acid, Ascorbic.—Priced reasonably and tending to be more reasonable.

Acid, Benzoin.—Very stable prices. Very satisfactory request.

Acid, Boric. — Steady and stable. Consumption at normal limits.

Acid, Camphoric.—Limited offerings. Prices nominal to some degree.

Acid, Citric.—Quiet but steady, seasonal call at stable prices.

Acid, Fumaric. — Schedule holds steady. Demand well maintained.

Acid, Gallic. — Quiet to firm and moving very well.

Acid, Hydriodic.—Firm in keeping with raw material. Steady in keeping with normal request.

Acid, Mandelic.—Interest normal. Prices apparently steady.

Acid, Nicotinic.—Steady decline in previous week.

Acid, Phosphoric.—Prices stable and supported by a gain in call.

Acid, Pyrogallic.—U.S.P. and resublimed in firm position at steady prices.

Acid, Salicylic.—Steady flow of new business at full prices.

Acid, Tannic. — Routine trading. Some tendency to jobbing order of business. Prices hold.

Acid, Tartaric.—Strong in all ways. Demand very steady. Raw material cost holds high.

Agar.—Strong. Much activity. Replacements difficult.

Alcohol.—Active delivery of completely denatured item. Jump in shipments came when temperatures broke 70 year records. Industrial group also in good request. Future encouraging. Sales volume expected to rise.

Aldol.—Steady and stable in price and demand.

Aloin.—Quiet. Demand no larger than prompt needs.

Ammonia, Benzoate.—Moving in volume good for season of year.

Ammonia, Chloride.—Rising sales curve. Very firm prices.

Ammonia, Citrate.—More than ordinary amount of jobbing calls.

Antipyrene.—Seasonal activity satisfactory. Firm market.

Barbital, Sodium.—Interest excellent compared with recent trade.

Berberine.—Firm in price. Nominal in activity.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
202.5	**202.5**	**204.1**	**195.2**

Market news that may have developed after this report was sent to press will be found on page 4.

Bismuth Salts.—New developments lacking. Steady market.

Borax.—Normal activity. Outlook pleasing. Prices stable.

Bromine and Bromides.—Normally active market. Some salts receive seasonal stimulation of sales.

Caffeine.—Strong market. Sellers hold no surplus stocks.

Calcium, Lactate.—Interest up some but not much. Prices hold.

Calcium, Sulphocarbolate.—Demand hand-to-mouth but very steady.

Camphor.—Firm, active, and strong market on domestic synthetic.

Castor Oil.—Prices hold. Demand maintained. Raw material steadier.

CHICAGO, Oct. 23.—Castor oil prices are:—Cold pressed, U.S.P., barrels, car lots, 10⅝c. per pound; barrels, less than car lots, 11⅜c.; returnable drums, car lots, 10⅜c.; drums, less than car lots, 11⅛c.; tanks, 9⅞c.; extracted, No. 3, barrels, car lots, 10⅛c.; barrels, less than car lots, 10⅞c.; returnable drums, car lots, 9⅞c.; drums, less than car lots, 10⅝c.; tanks, 9⅜c.

Chloral Hydrate.—Quiet, steady selling. Prices well supported.

Chloroform. — Technical usage in good volume. All prices firm.

Cinchophen. — Very good jobbing call throughout the period.

Cocoa Butter.—Car lots, November, 11.40c. per pound; December, 11.50c.

Codliver Oil.—Needs being met. Prices strong. No competition.

Corn Sugar.—Unchanged as yet. Late reduction consolidated.

Cream of Tartar.—Normal activity in very strong market.

Creosote.—Sales gain moderately, but along normal lines.

Creosote Carbonate.—Seasonal needs rising steadily. Deliveries prompt.

Diacetyl.—Very firm. Entirely normal sales interest.

Ephedrine.—Less movement than expected. Still steady market.

Eserine.—No surplus supply. Not much call.

Formaldehyde.—Price likely to hold.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Pest Control Association, Oct. 28-30, Indianapolis.

Pharmaceutical Mfgrs. Ass'n, Dec. 9-10, Washington, D. C.

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Alkaloids Santonine Spermaceti
Naphthalene Cocoa Butter, U. S. P.
IMPORTERS and EXPORTERS

Raw material prices are guaranteed through first quarter 1941.

Glycerin.—Very firm. Activity was steady and excellent in volume. Undercurrent active with tendency toward strong, swift movement toward normal consuming objectives.

CHICAGO, Oct. 23.—Glycerin steady. Prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c. drums, car lots; 13c., drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c., drums, car lots; 12½c., drums, less than car lots.

Hexamethylenetetramine. — Extension of basic raw material prices through first quarter, 1941, suggests maintenance of values on all derived products.

Homatropine Hydrobromide. — No surplus stocks. Call small.

Hydrogen Peroxide. — Fully stable prices. Normal sales.

Hydroquinone.—Seasonal lull in major demand noted.

Iron, Acetate.—N.F. IV in fully stable price position.

Iron, Chloride.—U.S.P. crystals in routine call. Steady, confirmed prices.

Iron Citrate.—Complete price stabilization for next year keeps trade routine, steady, and normal.

Magnesia.—Steady to firm. Inquiries numerous and involve good-sized quantities. Prices well maintained.

Mannitol.—Ample supplies. Consumption likely to rise under defense program needs.

Menthol.—Synthetic in strong position. Demand excellent. Japanese menthol firm but not active.

Mercurials. — Unchanged. Steady, Call normal.

—*Continued on page 49*

DCAT Meeting Hears Of Defense Programs

—*Continued from page 5*

functioning of the various offices and agencies which have a part in the effectuating of the defense program. With respect to his particular section and the commodities division as a whole, he pointed out that their function was one of planning and administration and supervision of preparedness in respect of strategic and critical materials.

These materials, Major Morgan explained, are allotted among several offices in the general classifications of mineral, vegetable, and animal. He showed by means of a 12-foot chart how this allotment is hooked up with the various subdivisions and "floor-sheets" of the defense council. He explained the relations of the Chemical Advisory Committee and the Drug Resources Advisory Committee (representing the respective industries with the services of 135 men), with the official planning, pointing out that these committees receive all plans having to do with materials of their group. Contact is also maintained direct with trade associations and with individual companies in respect of certain matters.

Suggestions and comments were invited by Major Morgan, and he asked that those be submitted through the offices of Warren N. Watson, of the Chemical Advisory Committee, or Carson P. Frailey, of the Drug Resources Advisory Committee, both in Washington.

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In connection with his address Major Morgan exhibited and distributed copies of the following relevant publications: "Army Purchase Information Bulletin: 1940," "Selling to the Navy," "The Strategic and Critical Materials." A limited supply of these informative publications is available through the OPD office.

Cultivating Latin America

Plans for the further development of the "Good Neighbor" policy with respect to Latin America, especially in its commercial and cultural aspects were outlined by Dr. Hanson, who declared that the major problem of the United States was to build on firmer ground a more substantial economic structure in its trade with Latin America. He believed that a permanent position could be built in that trade, and he was convinced that only by looking to such permanency could the desirable and necessary solidarity of the Western Hemisphere be developed and maintained.

Dr. Hanson pointed out the major reliance of Latin American countries on export trade, as well as the extent to which they must and do import goods of essential sorts. He stressed the relatively low buying power of the Latin American people resulting from their small national incomes. In contrast with this he told of the vast resources of the various countries in high-grade agricultural land, in mineral deposits, in waterpower, and otherwise.

It was Dr. Hanson's point that the best means of developing trade with Latin America required the development of its domestic economy, the expanded utilization of its natural resources through industrialization and through agricultural programs, these, he held, being essential to the increasing of its national incomes and the providing of import buying powers. Efforts to proceed in this direction, Mr. Hanson said, were gradually being organized, correlated, and applied.

The Future in the East

Mr. Smith, disclaiming any representative of other than his own individual views, presented a most in-

—Continued on page 50

Drugs, Fine Chemicals

—Continued from page 48

Quicksilver. — Recent Pacific Coast investigation of Mexican shipment valued at $68,720 destined for Japan, followed by report that exports from Mexico to Japan have been stopped by Mexican embargo. Report unofficial. Distant futures bought much under spot price.

SAN FRANCISCO, October 23.—Quicksilver trade moderate. Inquiry fair. Market not overly strong. Price, $167 per flask, f.o.b. San Francisco, spot and nearby deliveries. Future deliveries available for less.

Quinine.—Firm. Relations between Mexico and Japan closely watched. Fear that need for petroleum may lead Japan to seize Netherlands Indies. Local activity normal.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	34¾	23 7/16
Monday	26⅞	34¾	23 7/16
Tuesday	26⅞	34¾	23½
Wednesday	26⅞	34¾	23 7/16
Thursday	26⅞	34¾	23½
Friday	26⅞	34¾	23½

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CHLORBUTANOL
CINCHOPHEN
CINCHOPHEN SODIUM
ETHYL GLYCOCOLL HYDROCHLORIDE
GLYCYL GLYCOCOLL HYDROCHLORIDE
8—HYDROXYQUINOLIN
ISOBUTYL PARA-AMINOBENZOATE
NEO CINCHOPHEN
OXYQUINOLIN BENZOATE
OXYQUINOLIN CITRATE
OXYQUINOLIN SULPHATE
POTASSIUM OXYQUINOLIN SULPHATE
PHENOBARBITAL
PHENOBARBITAL CALCIUM
PHENOBARBITAL SODIUM
PROPYL PARA-AMINOBENZOATE
TETRA-IODO-PHENOLPHTHALEIN SODIUM
THEOPHYLLINE
BENZALDEHYDE
BENZYL ALCOHOL
BROMSTYROL
CINNAMIC ACID
DIACETYL
METHYL CINNAMATE
METHYL PHENYL ACETATE
PHENYL ACETIC ACID
BENZALDEHYDE
BENZYL ALCOHOL
BENZYL CHLORIDE
BENZYL CYANIDE
DIETHYL OXALATE
DIMETHYL UREA
DI-NITRO CRESOL
CYANO ACETIC ACID
ETHYL BROMIDE
ETHYL CYANO ACETATE
8—HYDROXYQUINOLIN—5—SULPHONIC ACID

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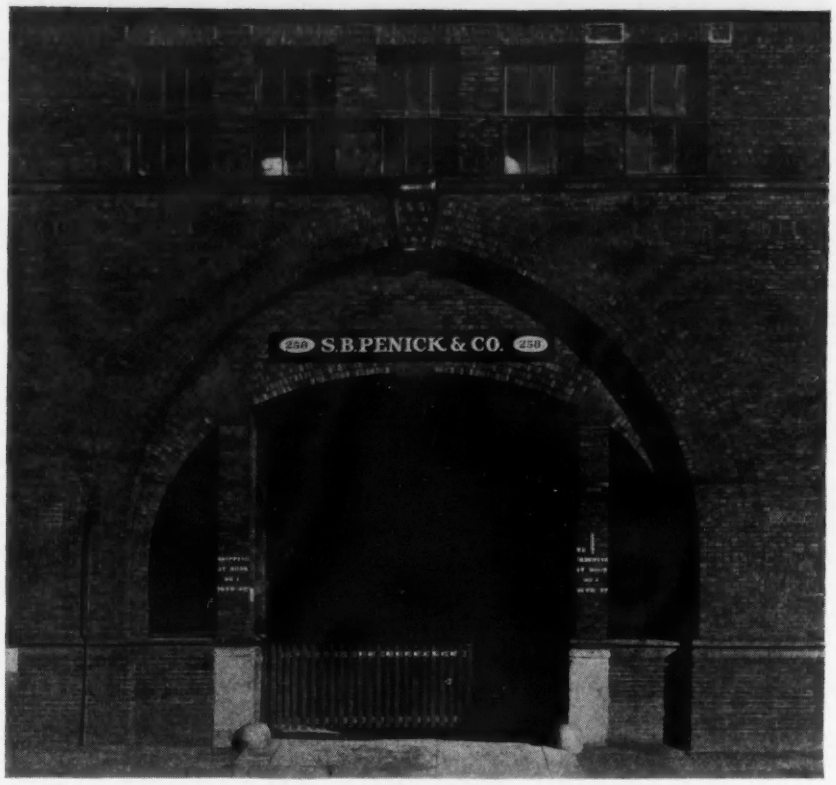

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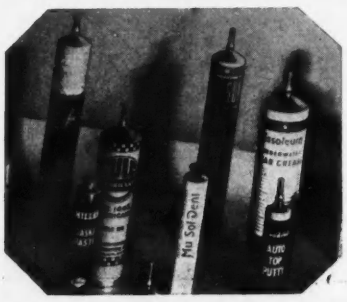

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DCAT Meeting Hears Of Defense Programs

—Continued from page 49

teresting and informative picture on this motif:—

The strategic position of southeastern Asia has an effect on our import and export trade. The Netherland Indies has a virtual monopoly on quinine—producing 99 percent of the world's supply. The United States imports more than half of this amount. This country also gets 90 percent of its supply of palm oil from that country. A large part of our tung oil comes from South China—in fact the trucks that take our supplies into China bring out tung oil for us. This Chinese export is a valuable source of foreign exchange and necessary to maintain their purchases of American goods. The South China Sea area also produces large quantities of coconut oil (the shells also being used as gasmask filter ingredient), rubber, and tin, and manila hemp. The Philippine Islands are also valuable to us as a market—last year they were our fifth largest customer. They are our best customer in several lines represented by you gentlemen here today. They are not only the biggest off-shore customer for drugs but also represent a quality market. Let us consider the question of their ability to purchase. The Philippines standard of living has been going up for the past forty years. Thus their power to purchase from us gets better and better. Our only competitor for the drug market in the Philippines is Germany. At present this entire market has swung to the United States due to the war.

The Netherland Indies in breaking ties with the mothor country makes this a significant market for the United States. Our balance of trade with this country has been very unfavorable up until now. However, this situation is rapidly changing and the Indies are our third largest customer today in the purchase of airplanes—Great Britain and France being first and second on the list.

There is still plenty of room for expansion in the Far East. This is especially true in British Malaya, although it has a small population. If the productive capacity of these countries is maintained their purchasing power will go up.

Firmness in its Oriental policies would stand the United States in best stead, Mr. Smith declared, and alone fitted into the nation's past. And recognition of realities must bring an end of wishful thinking with respect to the Philippines, as well as the unrelated countries of the Far East. He recited many events in substantiation of his position and gave his hearers a deal of useful knowledge of the so-called "new order" in the Orient.

Appreciation of their informative ("liberal educative" they were aptly styled by the chairman) addresses was expressed to Major Morgan, Dr. Hanson, and Mr. Smith severally in rising votes. All three were surrounded for hours after the meeting by seekers for more details about some aspect of their talks.

On the motion of Hugh Craig the section voted to continue its current informal association with the National Drug Trade Conference pending the proposed reorganization of that body.

On the Recreation Side

Miscellaneous mountain weather, a bit on the chilly side, bothered the qualifying golfers October 18. Matters were meteorologically better in the tournament October 19.

After the banquet the latter evening the following got prizes from Victor E. Williams, of the Monsanto Chemical Company, chairman of golf, with the assistance of A. A. Wasserscheid, of Mallinckrodt Chemical Works, chairman of ladies' entertainment:—

Tournament low gross, Al Connor, McNeil Laboratories.

Tournament low net, Ralph Patch, E. L. Patch Company.

First flight—Low gross, Charles Mott, Topics Publishing Company; low net, J. R. Dilworth, Anchor-Hocking Glass Corporation; second low net, Ira Vandewater, R. W. Greeff & Co.

Second flight—Low gross, D. J. Bradley, Thomas Leeming & Co.; low net, J. J. Clark, Liggett Drug Company; second low net, C. H. Berle, Innis, Speiden & Co.

Third flight—Low gross, H. B. Sliger, Commercial Solvents Corporation; low net, H. H. Gritzan, jr., Maryland Glass Corporation; second low net, A. J. Higgins, Zinsser & Co.

Longest drive, Bruce Puffer, Kimble Glass Company.

Closest approach, Clarence W. Warner, Maltbie Chemical Company.

Kickers' handicap, (1) T. G. Cosgrove, Platt-Forbes, Inc., (2) R. J. Perry, Zinsser & Co., (3) R. A. Clark, J. T. Baker Chemical Company, (4) J. J. Reiner, Lehn & Fink Products Corporation, (5) Karl Voss, Karl Voss Corporation.

Ladies' flight—Low gross, Mrs. Charles Mott; low net, Mrs. Ira Vandewater; second low net, Mrs. Joseph A. Huisking.

Ladies' kickers' handicap, Mrs. L. I. Volckening.

Ladies' selected holes, Mrs. A. L. Mullaly.

Ladies' putting, (1) Mrs. J. F. Kelly, (2) Mrs. R. Aeberle, (3) Mrs. Eric Rathje, (4) Mrs. Edward S. Burke.

The evening entertainment committee, headed by E. T. T. Williams, of Becton, Dickinson & Co., provided an amusing floor show. The reception committee, headed by John A. Chew, of John A. Chew, Inc., and the get-together committee, led by S. Barksdale Penick, jr., of S. B. Penick & Co., got things going smoothly with the aid of a cocktail party the first evening. And the banquet committee, of which John P. Remensnyder, of Heyden Chemical Corporation, was chairman, gave the affair a pleasing finish. All the committees helped to provide John J. Toohy, of E. R. Squibb & Sons, general chairman on arrangements, with all the many things necessary to the full enjoyment of the fun side.

Robert B. Magnus, of Magnus, Mabee & Reynard, Inc., handled the transportation problems. Walter J. Murphy, of *Chemical Industries*, as publicity man, had drummed up a good, as well as large, crowd.

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Botanical Prices Become Increasingly Nominal — Numerous Foreign Items Already Unobtainable — No Market on Majority of Materials—Domestic Goods Show Firmness

More and more each week, imported botanical drug merchandise tends to assume a nominal position on spot. Stocks of most of the truly important items are almost at the disappearing point and usually the spot is a market in name only. Regular customers pay one price. New buyers often pay another and higher one. And the price-spread between the two kinds of quotations are often as much as 50c. per pound. Some times, ground or powdered goods fetch lower prices than whole merchandise; recent transactions in whole and powdered henbane leaves provide an instance. Last week, one fact stood out clear from the rubble to which the European war has reduced the normal market. That was the fact that a buyer having needs that could not be filled by substitution had to pay whatever might be asked. There was no longer a competition to keep prices within reasonable check.

Domestic goods proved very steady. Demand for the same was about normal and deliveries were not only prompt but usually at favorable prices.

Balsams

Fir.—Canadian firm at recent advance. Demand moderate, stocks light.

Tolu.—Sold at 80c. to 85c. per pound in rather narrow market.

Barks

Angostura.—Higher at 30c. to 32c. per pound. Subject to confirmation.

Buckthorn.—Little to be had. Nominal market at 75c. to 85c. per pound.

Wahoo.—Root bark lower at 42c. to 45c. per pound. Tree unchanged.

Beans

Tonka.—Market conventional. Steady undertones and prices.

Vanilla.—Market up to $8.25 to $8.50 per pound for Bourbons and whole Mexicans; Mexican cuts and South American beans, $8 to $8.25. Tahaiti, $3.75 to $4. Madagascar exports blockaded. All spot prices nominal. Stocks low.

Berries

Cubeb.—XX quality higher at 35c. to 40c. per pound. Powder unchanged.

Raspberries.—Dried sold at lower level of 60c. to 65c. per pound. Competition noted.

Sumac.—New crop berries offered cheaper at 10c. to 12c. per pound.

Flowers

Arnica.—Purely nominal. Any and all prices subject to confirmation.

Clover.—Spot offered at 35c. to 40c. per pound under competition.

Linden. — Flowers without leaves fetch 48c. to 50c. per pound.

Malva.—Stocks low. Black or blue material as high as 75c. to 95c. per pound.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered.
Anise	662	2,689
Belladonna	69	341
Caraway	1,853	13,337
Cardamom (cases)	...	2,132
Celery	...	4,364
Coriander	2,889	17,262
Cumin	821	...
Digitalis leaves (cases)	1	1
Dill	...	371
Fennel	829	1,247
Henbane leaves (bales)	262	285
Mustard	2,800	5,781
Poppy	550	3,028
Sage leaves (bales)	...	1,101
Sesame	4,169	9,586
Stramonium	121	8,049
Thyme	...	3,853

Price Changes

Advanced

Angostura bark, 2c. per lb.
Anise, Bulgarian, 1c. per lb.
Cyprus, ½c. per lb.
Star, ½c. per lb.
Arnica root, 13c. per lb.
Belladonna root, 10c. per lb.
Buckthorn bark, whole, 7c. per lb.
Caraway seed, Dutch, 4½c. per lb.
Cassia, China, rolls, select, ¼c. per lb.
Celery seed, French, 4½c. per lb.
Cubeb berries, XX, 3c. per lb.
Doggrass root, cut, 5c. per lb.
Ergot, 5c. per lb.
Gentian root, whole, 2c. per lb.
granular, 2c. per lb.
powdered, 2c. per lb.
Ginger root, African, ⅞c. per lb.
Henbane leaves, 20c. per lb.
Henna leaves, whole, 5c. per lb.
powdered, 8c. per lb.
Linden flowers, without leaves, 8c. per lb.
Liverwort leaves, 10c. per lb.
Malva flowers, 5c. per lb.
leaves, 3c. per lb.
Marjoram, French, 6c. per lb.
Nutmegs, 80's, ½c. per lb.
West Indian, 2¼c. per lb.
Orris root, Florentine, whole, 15c. per lb.
powdered, 16c. per lb.
Verona, whole, 12c. per lb.
powdered, 15c. per lb.
fingers, 5c. per lb.
Peppermint leaves, domestic, 5c. per lb.
Pimento, 2c. per lb.
Poppy seed, Dutch, 2c. per lb.
Turkish, ½c. per lb.
Saffron, Spanish, $1 per lb.
Savory, 16c. per lb.
Senega root, 3c. per lb.
Senna leaves, Alexandrian, 2c. per lb.
Spearmint leaves, 2c. per lb.
Stavesacre seed, 3c. per lb.
Thyme, French, 18c. per lb.
Vanilla beans, Bourbon, $1 per lb.
Mexicans, $1 per lb.
South Americans, $1 per lb.

Reduced

Cassia, China, buds, ¼c. per lb.
Clover tops, red, 5c. per lb.
Coriander seed, bleached, ½c. per lb.
Dill seed, cleaned, ½c. per lb.
Ipecac root, whole, 10c. per lb.
powdered, 5c. per lb.
Jalap root, whole, 2c. per lb.
powdered, 2c. per lb.
Mace, Banda, 2c. per lb.
Batavia, 2c. per lb.
Siauw, ½c. per lb.
West Indian, 2c. per lb.
Marjoram, Chilean, 1c. per lb.
Pepper, black, Lampong, ½c. per lb.
Pichi leaves, 3c. per lb.
Raspberries, dried, 5c. per lb.
Spikenard root, 1c. per lb.
Sumac berries, 4c. per lb.
Sunflower seed, Calif., large, ½c. per lb.
Wahoo bark or root, 3c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
207.2	**204.5**	**193.7**	**180.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Saffron.—Spanish flowers selling at $26 to $27 per pound. Further rise expected.

Gums

Aloe.—Firm. Sellers reserved. No price shading.

Arabic.—Well maintained. No selling pressure. Future tied with developments in Near East.

Mastic.—No unconditional offerings. All prices nominal.

Sandarac. — Shortage in stocks everywhere. Little on spot. Price

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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AMINOPHYLLIN
ASPIRIN, QUININE AND OTHER TABLETS
BARBITOL
CARBOLIC ACID CRYSTALS
EPHEDRINE SALTS
ICHTHAMMOL
LANOLIN ANHYDROUS
MENTHOL
Japanese and Chinese
MILK SUGAR U.S.P.
PETROLATUM U.S.P.
STRYCHNINE
COD LIVER OIL
Medicinal and Poultry
VITAMIN PRODUCTS
ORANGE OIL, Sweet
PEPPERMINT OIL U.S.P.
SAVIN OIL
AGAR AGAR JAPANESE
Shreds, Cut and Powder
ALOES, Curacao and Cape
BALSAM PERU
BELLADONNA LEAVES
BELLADONNA ROOT
CORIANDER OIL, U.S.P.
GENTIAN ROOT
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM CAMPHOR JAPANESE
Powder, Slabs and Tablets
HELLEBORE ROOT WHITE
HERBE MENTHE
HOREHOUND HERB
IPECAC ROOT
LAVENDER FLOWERS
Hand Picked and Prime
LINDEN FLOWERS
MAHUANG, CHINESE
MALEFERN ROOT
ORRIS ROOT VERONA
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tendency upward from 45c. per pound, present market.

Herbs and Leaves

Catnep.—Sold at rise to 23c. to 25c. per pound.

Henbane.—Spot strictly nominal at $1.65 per pound.

Henna. — Primary market tied deeply into the war. Spot prices higher at 19c. to 20c. per pound for whole and 28c. to 29c. for powder.

Liverwort.—Moderate offers at 60c. to 65c. per pound.

Malva.—Lowest at 30c. per pound with some asking 40c.

Marjoram.—French, 46c. to 48c. per pound. Higher. Chilean, shaded to 16c. to 16½c.

Peppermint. — Demand boosting prices. Domestic, 50c. to 55c. per pound.

Pichi.—Shaded to 10c. to 11c. per pound.

Sage.—About 1,000 pounds Dalmatian item found and offered at 65c. to 70c. per pound.

Savory.—Sharp rise to 45c. to 50c. per pound.

Senna.—Alexandrian higher at 18c. to 20c. per pound. Direct influence of Near East war.

Spearmint.—Limited stock offered at 30c. to 31c. per pound.

Miscellaneous

Ergot.—Market said to be lowest at $1.70 to $1.75 per pound. Slight rise.

Irish Moss.—Very firm. Hard to replace.

Papain.—Steady. Selling well in moderate quantities at full prices.

Roots

Arnica.—Bringing 55c. to 57c. per pound when available.

Belladonna.—Sold to new customers at 90c. to 95c. per pound.

Doggrass.—Advanced to 55c. to 60c. per pound.

Gentian.—Higher at 26c. to 27c. per pound. Powder, 31c. to 32c.; granular, 30c. to 31c.

Ipecac.—Lowered to $1.20 to $1.25 per pound for whole; powdered, $1.35 to $1.40.

Jalap.—Shaded. Whole, 28c. to 30c. per pound; powdered, 30c. to 32c.

Orris.—No open market offers. All prices nominal.

Senega.—Sold at 70c. to 72c. per pound. Firm at rise.

Spikenard.—Lower under competition to 17c. to 18c. per pound.

Seeds

Anise.—Higher. Bulgarian Cyprus, and star, 17c. to 17½c. per pound.

Caraway.—About to disappear locally. Up to 33c. to 35c. per pound.

Celery.—French jumped to 37c. to 38c. per pound.

Coriander. — Bleached shaded to 9½c. to 10c. per pound.

Dill.—Eased back to 11½c. to 12c. per pound.

Poppy.—Climbing. Dutch, 22c. to 23c. per pound; Turkish, 17½c. to 18c.

Stavesacre. — Business done at higher level of 35c. to 40c. per pound.

Spices

Ginger.—African up to 7½c. to 7¾c. per pound. Medium bold Jamaica, 11c. to 11½c.; bright grinding, 9½c. to 10c.

Mace.—Lower. Banda, 49c. to 50c. per pound. Batavia, 27c. to 28c.; Siauw, 32c. to 33c. West Indian, 31c. to 32c.

Pepper.—Quiet. All needs promptly supplied here. Scarcity of imported chillies.

Trading in black pepper futures on the New York Produce Exchange from October 19 to October 25, inclusive, comprised 32 contracts, a total of 1,075,200 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
March	3.98	3.94	3.95@3.99
May	4.06	4.03	4.01@4.05
July	4.14	4.05	4.11@4.13
September	4.20	4.20	4.18@4.22
October	4.23	4.25	4.23@4.26
November	3.87	3.82	3.84@3.85
December	3.90	3.90	3.82@3.89

Cosmetics Seized as Filthy

The Food and Drug Administration reported October 25 the first seizure of filthy cosmetics under the new food, drug, and cosmetic act.

The seizure was made in Newark, N. J., and consisted of a shipment of brilliantine and another of medicated skin cream, both shipped by the Spark'l Company, Brooklyn, N. Y. The charge is that the products are composed in part of filthy substances and were produced or packed under unsanitary conditions. The latter charge was based on an inspection of the factory.

U.S.I. Earnings Up

U.S. Industrial Alcohol Company and subsidiaries for the six months ended September 30, 1940, showed consolidated net profit of $390,651, after all charges including provision for renewals, replacements and depreciation, President C. S. Munson reported this week. This is equivalent to approximately $1 per share on 391,238 shares of capital stock outstanding for the period. Net profit of $414,917, or $1.06 per share, before adjustment of marketable securities, was reported for the full year 1939.

Vanilla Beans—Tonka Beans
Thurston & Braidich, Importers, 286 Spring Street, New York

ARABIC | **GUMS** Processed and Standardized in Grades to Meet all Requirements | KARAYA

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Essential Oils, Aromatic Chemicals

Replacement Problem Keeps Essential Oil Prices Rising—Stocks of Imported Goods Shrinking — Many Cannot Be Replaced—Domestic Items Quiet But Firm

The replacement of foreign essential oils was increasingly a problem throughout the past week. War has cut deeply across normal commercial communications with many primary sources of supply. In some instances, the sources are definitely in the war. In others, blockades have shut off exports from lands under control of German military forces. In still others, lack of steamer service, or slowness and uncertainty of such service has reduced replacement arrivals to a minimum. All in all, lack of replacement arrivals kept price advances to the fore throughout the past week.

Naturally, prices on practically all articles were either firm or strong. Truly weak materials were almost totally lacking. To steadily shrinkage of stocks was added the presence of a very good consuming request. Sellers were mainly reserved and were little disposed to exert selling pressure on buyers. Unsold stocks in hand were considered property definitely certain to gain steadily in value. Consequently, dealers maintained reserve, were conservative in accepting new business, and strove to stretch supplies as far as possible in the interest of the greatest number of manufacturing consumers.

Price Changes

Advanced

Cassia, 10c. per lb.
Celery, 50c. per lb.
Citronella, Ceylon, 2c. per lb.
Java, 3c. per lb.
Coriander, 25c. per lb.
Juniper berry, $1.75 per lb.
Sage, 50c. per lb.
Savin, 40c. per lb.
Vetiver, 25c. per lb.
Ylang ylang, Bourbon, $3 per lb.
Manila, $4 per lb.

Reduced

Clove, 5c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.1	127.0	122.6	95.0

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Slight gain in activity. Firm prices and undertones.

Amber.—Not very active. Still firm in price.

Amyris.—Narrow market. Little call.

Anise.—Tending stronger. Situation acute in primary market.

Bay.—More inquiry. Not much rise in sales. Steady prices.

Bergamot. — Natural oil nominal. Substitutes move well.

Birchtar. — Trade routine. Small quantities taken. Steady prices.

Bois de Rose.—Firm in all respects. In fair demand.

Cajeput.—Sellers not pressing sales. Moderate stocks.

Calamus.—Slow demand. Firm to stronger prices. Little held here.

Camphor.—Very firm. Need for everything available.

Cananga.—Firm undertones. Movement fair but not expansive.

Capsicum (Oleoresin). — Imported raw material strong and scarce.

Caraway.—Situation nominal. Dependence of buyers mainly on substitutes.

Cassia.—Higher at $1.50 to $1.55 per pound and tending higher.

Cedarleaf.—Quiet, routine market at full prices. Demand jobbing.

Cedarwood.—Trade about normal. No lack of spot goods.

Celery.—Higher and scarcer at $12 to $12.50 per pound.

Citronella. — Rising here and at sources of supply. Ceylon, 34c. to 36c. per pound; Java, 33c. to 34c. Fair demand.

Clove.—Shaded to $1.05 to $1.10 per pound in more competitive market.

Coriander. — Higher at $13.25 to $13.50 per pound and growing scarcer.

Cumin.—Little call. Little available. Prices firm.

Dill.—Movement likely to gain. Fair stocks offered.

Erigeron. — Small lots selling at steady prices.

Eucalyptus.—Seasonal activity in strong market.

Fennel. — Interest conservative. Demand hand-to-mouth.

Geranium.—Algerian raised to $5.25 to $5.50 per pound. Bourbon $5 to $5.50 and virtually nominal with primary market cut off.

Grapefruit.—Fair and very steady call in normal quantities.

Hemlock.—Market routine. Prices stable on firm basis.

Juniper.—Hard to get and nominal at $5.75 per pound.

Juniper Tar.—Danger of Spain being cut off. Sellers develop reserve.

Laurel.—May disappear. Replacements doubtful.

Lavandin.—Purely nominal market.

Lavender.—Virtually nominal. Each sale brings stock exhaustion nearer.

Lemon.—Steady demand being filled by California product. Steady prices with producers seeking to maintain stabilized position.

Lemongrass.—Firm at recent rise. Good movement. Limited stocks.

Lime.—Quiet. Steady prices. No excessive competition.

Linaloe.—Firm prices and well stabilized market position.

Orange.—Tendency to depend on California and Florida production gains. Also on West Indian. All other suppliers may be cut off eventually.

Patchouli.—Very steady. Demand conservative. Prices firm.

Pennyroyal.—Strong situation backed by fair consuming need.

Peppermint. — Apparently steady. Not too active. Spot quotes hold.

Rose.—Fair stocks laid in when primary market communications were threatened. Nothing can be secured now from source.

Sage.—Rising need shrinking prices. Replenishment almost impossible. No raw material for manufacture here.

Sassafras.—Firm. Good call. Little stock surplus.

Savin.—Higher at $5.40 to $5.50 per pound and growing hard to get.

Spearmint.—Very steady. Stocks in strong hands. Large users covered.

Thyme.—Shipments from source may be cut off any moment. No anxious sellers of spot stocks.

Vetiver.—Higher and stronger at $4 to $15 per pound.

Ylang Ylang.—Market nominal at $7 per pound for Bourbon and $23 for Manila.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Aromatic Chemicals

Linalool.—Firm and gaining in firmness. Good call.

Linalyl Acetate.—Very good business at firm prices.

Menthol.—Recent strength eased slightly. No further drop.

Menthyl Salicylate. — Seasonally quiet. Firmly priced.

Methyl Acetophenone. — Demand jobbing but in fair volume.

Methyl Anthranilate. — Complete market and price stability.

Methyl Benzoate.—Some gain in inquiry. Firmer prices.

Methyl Cinnamate. — Undertones firm and prices stable.

Methyl Heptenone.—Business maintained at late volume and firm prices.

Methylhexyl Ketone.—High quality item firm. In better demand.

Methylnaphthyl Ketone. — Quality merchandise very firm.

Methyl Phenylacetate.—More inquiry. Needs covered farther ahead.

Methyl Salicylate.—Firm and apparently stabilized. Price tied closely to future cost of raw material.

Before Making Any Commitments for Peppermint Oils, INVESTIGATE

MOHAWK OIL PEPPERMINT

America's "First" Oil Peppermint

A clean-cut, mellow, full-bodied Peppermint Oil that costs no more, in actual usage, than ordinary peppermints.

Testing Sample Available

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Special Perfume Creations for All Purposes

TOMBAREL PRODUCTS CORP.

9-11 East 19th Street : : : New York, N.Y.

Musk.—Artificial item movement sustained. Demand about normal.

Nerolin.—Demand mainly hand-to-mouth. Steady undertones.

Novoviol.—All qualities and varieties moving well. Full prices maintained.

Paracresyl Acetate.—Steady. Moderate demand. Fair stocks.

Pelargol.—Demand lags some but not much. Fairly close to normal trade at steady prices.

Phenyl Acetaldehyde.—Demand irregular. Some fair sized transactions confirm price maintainence on firm basis.

Phenylacetic Acid.—Inquiry and sales reach recent volume. Very steady price and market position.

Phenylethyl Acetate.—Transactions strictly routine. Firm prices.

Phenylethyl Alcohol.—Competition moderate. Fair market reported by most suppliers.

Phenylethyl Butyrate.—Sales volume maintained. No exceptional activity. Prices steady to firm.

Phenylethyl Phenyl Acetate.—Trade routine and inclined to lag.

Phenylethyl Propionate.—Sale on jobbing basis gain conservatively.

Phenylethyl Valerianate.—Limited stocks strongly priced.

Phenylpropyl Alcohol.—Normal sales activity. Quiet price position.

Phenylpropyl Aldehyde.—Slightly less inactive but still selling mainly in jobbing lots.

Rhodinol.—Stocks seem to cover all present needs.

Rose Crystals.—Activity about normal. Firm prices.

Strolyl Acetate.—Quiet to dull. Prices steady to firm.

Terpineol.—Very firm. Moving in good volume.

Boston BIMS Planning January Beefsteak Dinner

The BIMS of Boston, a social organization of buyers, importers, manufacturers and sellers, will hold a beefsteak dinner in early January. The exact date has not as yet been set. Among the prize winners at the final golf tournament were:—C. O. Ewing and Frank Langlois, both of the United Drug Company; Paul Mulvanity, of the Nashua Gum Coated Paper Company; B. T. Giesey, of the Hazel-Atlas Glass Company, and Frank Hincks, of the Minard Company.

Theonett & Co. Names Robbins Vice-President

Frank A. Robbins has been named vice-president and elected to the board of Theonett & Co., flavor and extract manufacturer, Chicago. He was formerly manager of the glue department and assistant manager of the by-products division of the Cudahy Packing Company, Chicago.

Gable Named President Of Indianapolis Paint Club

Indianapolis, October 21, 1940

George Gable of the Perfection Paint & Color Company, has been re-elected president of the Indianapolis Paint, Varnish and Lacquer Association. Other officers are: Vice-president, Charles Carpenter, A. Burdsal Company; and secretary, Hal Howe, American Can Company.

Robert E. Bonner, formerly with the Grand Rapids Varnish Corporation, has joined the industrial finishing division sales staff of the American-Marietta Company, Chicago.

Trade Briefs

Congoleum-Nairn, Inc., linoleum manufacturer, has started work on addition to its general office building at Kearney, N. J., to cost $100,000.

Pittsburgh Plate Glass Company has awarded contract to construct an addition 100 by 100 feet to the warehouse building at Clarksburg, W. Va. Work will be started at once.

Paint campaign, Kansas City, resulted in 125,000 cleaning jobs, 411,000 painting and decorating jobs, 85,000 garden and landscape jobs and 215,000 repair, modernization and miscellaneous jobs.

Jacob Windmueller, recently associated with the technical division of Reichold Chemicals, Inc., Detroit, has been appointed factory manager of the Hunsley Paint Manufacturing Company, Amarillo, Tex.

Theodore Doyle, of the Sheffield Bronze Powder & Stencil Company, Cleveland, is being congratulated upon the birth of a daughter, Patricia Ann. Mother and baby are reported to be doing very well.

Calcimine specifications, cold-water and hot-water types, for Federal government purchases have been issued by the Procurement Division of the Treasury Department. The new specifications are designated as TT-C-96 and will become effective December 1. Copies may be purchased at 5 cents each from the Superintendent of Documents, Government Printing Office, Washington.

Evans Wallower Zinc Stockholders, Inc., will vote November 9 at a special stockholders meeting at Cardin, Okla., on a proposal to reduce par value of the capital stock from $5 to $1 a share. Purpose of the capital reduction is to permit payment to stockholders of the proceeds from sale of properties of former subsidiary Evans Wallower Zinc Company. Proceeds from the sales are estimated at $170,000.

Muralo Appoints Clark Salesmanager

Walter M. Clark has been appointed manager in charge of sales and the enlarged promotional activities for the Muralo Company. Mr. Clark until recently has been sales manager of the Western Paint & Varnish Company of Duluth (a subsidiary paint factory of the Marshall-Wells Company), and manager of the paint division of the Marshall-Wells Company. He will now headquarter at the home office of the Muralo Company, 570 Richmond terrace, Staten Island, N. Y. He has been an active member of the Portland Paint, Varnish and Lacquer Association.

W. N. Clark

The Muralo Company was established in 1894 and has been a leader in the industry in the manufacture of and research in water paints and kindred materials in paste and powder form. The company has factories in Los Angeles and Port Adelaide, Australia. Offices are also maintained in other important centers throughout the world.

Floor Finish Approvals Expire December 31

New specifications of the Maple Flooring Manufacturers Association have been released. The present approved list of heavy-duty finishes for use on maple, beech, and birch floors, and gymnasium finishes, expires December 31. The approval procedure has been highly satisfactory and is being continued. Manufacturers should submit their products for examination and approval at once so that they will be ready for relisting by January 1, 1941. Copies of the new specifications with form for submission for examination can be obtained from the association or from the official laboratory. Foster D. Snell, Inc., 305 Washington street, Brooklyn, N.Y.

Under the continuation of the plan, products will be certified by the association on the basis of laboratory examination and test according to the specifications. There are several changes from the previous specifications, and the new ones include the detailed method of examination to be applied by the official laboratory of the association. Products which meet these specifications and have been so certified to the association will receive its approval; provided, that the association may at its option require a practical demonstration to its representatives that under heavy service conditions of six months or longer, the product meets the requirements. Classroom, store, office, bakery, and other floors of hard maple have the type of traffic to qualify under "heavy service conditions".

In order that a manufacturer may have his heavy-duty finish or gymnasium-type finish approved he should so instruct the official laboratory on a form provided. That laboratory will buy the material in the open market or obtain it under affidavit from the manufacturer and examine it for compliance with specification. A period of thirty days should be allowed for examination before certification to the association.

Products meeting the laboratory test prior to January 1, 1941, will be certified to the association and by the association to members of the industry as of that date. Approval will be effective for three years, subject to the condition that prompt notification will be given the association of any change in formula and that approval will be withdrawn on substantial evidence of depreciating the quality of the product.

Manufacturers submitting products will be advised by Foster D. Snell, Inc., of the results of the examination of their product or products, whether each meets the specification and, if it does not, the parts of the specification which it fails to meet. Manufacturers having received approval may so state in their advertising. The Maple Flooring Manufacturers Association will from time to time issue lists of approved finishes. Finishes now on the approved list will continue to receive approval provided they meet the laboratory requirements on re-examination under the new specification.

The Maple Flooring Manufacturers Association asks manufacturers of heavy-duty and gymnasium-type finishes who desire the association's endorsement to cooperate fully under the provisions of this plan, since it will be impossible for the association to approve and list finishes of this character which have not fully met the new specification.

Cinci. Paint Club Elects A.F. Winstel President

At the fifty-third annual meeting of the Cincinnati Paint, Varnish and Lacquer Association, held in the Della Robbia room of the Hotel Gibson, October 14, 1940, the following officers were elected for the ensuing year: President, Arthur Winstel, of the Arthur Winstel Company; vice-president, Henry Bond, of the Ault & Wiborg Corporation; past president, Ed Bradley, of the Perry & Derrick Company; treasurer, Lawton Daly, of Taylor, Lowenstein & Co.; and secretary, L. B. Lakamp, of the Eagle-Picher Lead Company.

OIL of PEPPERMINT
Of American Origin Only
A. M. TODD COMPANY
KALAMAZOO, MICHIGAN

Here's a picture of Somebody's Dissatisfied Customer!

DON'T LET THIS HAPPEN TO YOU!

You don't want customers to turn away from *your* preparations because they detect a rancid odor, unpleasant taste or cloudy appearance!

When you use Penn-Drake White Oils or Petrolatum as the base for medicinal or cosmetic preparations, you are protected against trouble from that source. Famous for their purity, stability and resistance to oxidation, Penn-Drake White Oils and Petrolatum *remain* fresh, clear and odorless. Use these fine pure Pennsylvania products to make your products more salable!

PENNSYLVANIA REFINING COMPANY
GENERAL OFFICES: BUTLER, PA.
Branch Offices: Cleveland, Ohio Scranton, Pa. Jersey City, N. J.
Refineries at Karns City and Titusville, Pa.
Sales Offices and Warehouses at: New York . . . Chicago . . . Philadelphia . . . Boston . . . Atlanta . . . Petersburg, Va. . . . Dallas, Texas . . . Detroit . . . St. Louis . . . Los Angeles.
Manufacturers of: White Oils—U.S.P. and Technical . . . Petrolatums (all grades and colors) . . . INSECTI-SOL (deodorized base) . . . Mahogany Sulphates—Soaps . . . Waxes . . . Naphthas—P.&M. Naphtha and Dry Cleaning Naphtha . . . Kerosene . . . Gasoline . . . Rubber Solvents . . . Motor Oils and Greases—branded and unbranded . . . Industrial Lubricants and Greases . . . High Flash Lubricants . . . Neutral Oils . . . Bright Stock . . . Fuel Oils —Furnace Oil and Burning Oil.
penn drake petroleum products

Petroleum Solvents, Lubricants, Fuels

Tightness in Crude Scale Paraffin Curtails Offerings—Solvents and Diluents in Heavy Call—Kerosene Advanced at New York Harbor — Heating Oil Demand Good

The tightness in the market for crude scale paraffin remained one of the features of the refined market last week. Offerings were smaller and many refiners were unable to accept all bids due to the scarcity of supplies. Many sellers were booked fully for a month ahead. Solvents and diluents were in heavy call and shipments were large. Petrolatums and white mineral oils were showing improved tone. Kerosene was advanced fractionally at New York harbor and demand at the new price was reported satisfactory. Heating oils were in active call and bunker C fuel was firmer. Gasoline was holding well and lubricants were attracting a bit more interest.

Gasoline accounted for 57.9 percent of the value of products of the petroleum refining industry in 1939, according to the Census Bureau. Total value of all products was $2,461,126,549, of which $1,424,436,179 represented 24,393,809,097 gallons of gasoline. Fuel oil production amounted to 19,983,006,278 gallons, with a value of $472,209,414. A total of 2,710,108,704 gallons of kerosene, valued at $112,064,645, and 392,771,685 gallons of naphtha, including benzine, valued at $23,111,763, were produced. Petroleum refineries in operation in 1939 numbered 485.

Price Changes

Advanced

Kerosene, 3/10c. per gal., N.Y. harbor

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas.—Heavy call for immediate shipment. Prices firm.

Cleaners' Naphtha.—Active buying interest. Shipments large. Price steady.

Lacquer Diluent. — Good demand. Price unchanged.

Petroleum Thinners.—Shipments at high levels. Quotations firm and unchanged.

Rubber Solvent.—No let-up in demand. Price steady.

Stoddard Solvent.—Moderately good call. Price firm.

V. M. & P. Naphtha. — Demand heavy. Quotations firm.

Markets at Other Centers

Chicago—Oct. 24

Stable tone prevailed in the market for most grades of solvents and diluents. The movement of virtually all grades in this general class has been good. The market structure is well-maintained, with inquiry holding up.

AROMATIC NAPHTHAS.—Volume of movement good. Prices holding.

CLEANERS' NAPHTHA.—Demand fair. Quotations unchanged.

LACQUER DILUENT.—Inquiries numerous, with market unchanged.

PETROLEUM THINNERS.—Fair buying. Market steady.

RUBBER SOLVENT. — Extensive orders. No change in price.

STODDARD SOLVENT.—Call moderate. Quotations holding.

V. M. & P. NAPHTHA.—Fair buying. Prices firm.

New Orleans—Oct. 24

Little demand was experienced during the past week on Cleaning Solvent—the market following the usual steady trend. A normal seasonal demand continued on V. M. P. Naphtha.

CLEANING SOLVENT.—Demand sluggish; price unchanged.

V, M, P. Naphtha.—Sales volume fair; price steady.

Tulsa—Oct. 24

A good volume of trading has been developed by paint manufacturers. This is in addition to the broad increase from tire manufacturers.

CLEANERS' NAPHTHA.—Good volume,

STODDARD SOLVENT. — Volume increasing, quotations firm.

LACQUER DILUENT.—Inquiries broadening and shipments increasing. Quotations unchanged.

V.M. & P. NAPHTHA.—Larger volume, prices steady.

RUBBER SOLVENTS.—High volume of shipments.

Lighter Fractions

Butane. — Tone strong. Demand heavy.

Heptane.—Buying less conservative. No price changes.

Hexane.—Normal business. Tone firm.

Octanes.—Routine demand for season. Quotations unchanged.

Pentanes.—Little of new interest. Firm and unchanged.

Propane.—Demand heavy, with offerings smaller. Price firm.

Markets at Other Centers

Chicago—Oct. 24

Good business on a rather normal basis is reported generally for most of the light fractions. Buying for early needs continues to predominate, with no general movement to build up stocks. Demand mostly is quite up to expectations.

BUTANE.—Market fairly active. Price firm.

HEPTANE.—Movement fair. Quotations unchanged.

HEXANE.—Business routine. No change in price.

OCTANES.—Moderate business. Strong price structure.

PENTANES.—Trade fair. Quotations steady.

PROPANE.—Offerings limited, with price holdings.

Petrolatums and Waxes

Paraffin.—Crude scale wax very firm but unchanged. Demand good and offerings smaller. Refined grades steady.

Petrolatums.—Demand fairly satisfactory. Prices unchanged.

White Mineral Oils.—Moderately good call, with inquiries more numerous. Prices firm and unchanged.

Markets at Other Centers

Chicago—Oct. 24

Firmness and slightly improved demand have been reported in some sections of the petrolatum and wax market Movement compares well with that in previous periods. Most buying is in limited lots.

PARAFFIN. — Good buying. Prices firming.

PETROLATUMS.—Some pickup in interest. Market stable.

WHITE MINERAL OILS.—Business a little more active. Quotations unchanged.

Tulsa—Oct. 24

Supplies of paraffin in the mid-continent field are tight. Refineries are showing resistance to present prices. The 124-26 American crude remains at 2¾c. to 3c. per pound.

Fuels and Lubricants

Gasoline.—Quiet but firm.

Kerosene.—Strong. One marketer advanced price 3/10c. per gallon to 5.1c. at New York Harbor. Others expected to follow.

Fuel and Gas Oils.—Bunker C fuel oil firm and in good demand. Heating oil call strong.

Lubricating oils. — Pennsylvania grades slightly more active, with prices firmer, but unchanged.

Markets at Other Centers

Chicago—Oct. 24

Active demand for gasoline is being extended through the period of normal seasonal curtailment, tending to aid

The State of the Petroleum Market

Crude oil and gasoline prices were unchanged last week.

	Oct. 25	Oct. 18	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.128	$1.126	$1.1595
Gasoline prices at refineries (at four refining centers) per gallon.....	.0517020	.0517020	.053890

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1940 Jan. 1-Oct. 19	1939 Jan. 1-Oct. 19
Commercial crude oil production.....	1,042,215,016	982,890,910
	Week ended Oct. 19, 1940	Week ended Oct. 21, 1939
Daily average production.....	3,677,890	3,686,475
Bureau of Mines estimate.....	3,580,600	3,590,300
	Week ended Oct. 19, 1940	Week ended Oct. 12, 1940
Estimated motor fuel stocks.....	81,656,000	81,927,000
Estimated finished motor fuel stocks.....	75,796,000	75,943,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Highest quality
NAPHTHENIC ACID
CRESYLIC ACID
VISCOUS OILS
(extremely viscous polymerized hydrocarbons)
CALODORANT
GAS ODORANT
STANDARD OIL COMPANY OF CALIFORNIA
225 BUSH STREET, SAN FRANCISCO, CALIFORNIA
CALIFORNIA COMMERCIAL COMPANY, INC.
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

NICKEL FORMATE
Also NICKEL CATALYST - NICKEL CARBONATE
NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N.Y.

WHITE OILS
GUARANTEED QUALITY
To meet all the special requirements for Pharmaceutical, Cosmetic and Industrial Purposes.
ALL GRADES
REFINERS OF WHITE OILS AND PETROLATUMS
SHERWOOD Petroleum Company Inc.
REFINERY, WARREN, PA. MAIN OFFICE, ENGLEWOOD, N. J.

NEUTROLEUM
ALPHA
GAMMA
MAKES BAD ODORS VANISH!
A few drops of NEUTROLEUM will neutralize instantly the most offensive odors. Originally introduced for use in fly sprays and petroleum base preparations, it is now proving its effectiveness in hundreds of totally different technical products. Its cost is negligible; its value immeasurable. If your product has a sales-retarding scent you can free it of this handicap. Investigate NEUTROLEUM.
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FACTORIES AT CLIFTON, N. J. AND BELLAIRS (VA.) FRANCE

market tone. Fuel oils are responding to true seasonal stimulus and are moving actively and in good tone. Lubricants are marking time, with tone fairly good.

GASOLINE.—Market firmer. Prices stiffening.

FUEL AND GAS OIL.—Demand active and prices tending to firm.

FURNACE OIL.—Active interest. Market somewhat stronger.

LUBRICANTS.—Tone slightly better. Market unchanged.

New Orleans—Oct. 24

The domestic market for gasoline remained inactive with the demand about as usual. There was no change in the call for kerosene and movement continued slow. Little interest was evidenced in bunker C fuel oil.

GASOLINE.—Demand normal; price unchanged.

KEROSENE.—Market dull; no price change.

BUNKER C FUEL OIL.—Demand routine; no change in price.

Tulsa—Oct. 24

Trading in gasoline continues to feature the market. Further tightness in burning oils is limiting trading.

GASOLINE.—Offerings fewer, volume at high level. Prices steady.

NATURAL GASOLINES.—Shipment to Gulf increasing. Quotations strong.

KEROSENE. — Pick-up in demand. Shipment greater. Prices firm.

DISTILLATES AND FURNACE OILS.—Light volume with large back logs. Prices strong.

Twin Ports to Appeal Pure Oil Co. Verdict

Minneapolis, Oct. 21, 1940

Twin Ports Oil Company, Duluth, will appeal the directed verdict in favor of Pure Oil Company in its suits for damages claimed to have resulted from fixing of tankcar prices by the latter.

The appeal will contend that the United States Supreme Court, in upholding the conviction of Pure Oil and other major oil companies at Madison two years ago, said in effect that plaintiffs would not have to prove actual pecuniary damages since evidence of the price-fixing was sufficient to show that plaintiff's margin between buying and selling prices was reduced. The directed verdict against Twin Ports held that proof of specific damages was necessary and that such proof was not offered.

Mexico Oil Land Lease To Japan Is Voided

Mexico City, Oct. 21, 1940

A long-term optional lease on 250,000 acres of possible oil lands, granted to Japanese interests by the government last week, has been cancelled by President Lazaro Cardenas as "an act of continental solidarity." It was explained by government officials that the granting of the lease was "not only an error of judgement but an unconstitutional act."

Continental Oil Co. Denied Review of Tax Recovery Case

OPD Washington Bureau
October 21, 1940

The Continental Oil Company, Ponica City, Okla. today was denied review of its appeal from a decision that refused it recovery of $699,131 Federal excise tax exacted on gasoline transferred to its wholly-owned subsidiary, Conoco.

Just prior to the effectiveness of the 1932 revenue act, which levied a one cent per gallon tax on gasoline sold by producing dealers but not upon sales made by non-producing dealers, Continental sold two large quantities of gasoline to Conoco.

The Commissioner of Internal Revenue recognized the validity of the sales to the extent that they covered the normal needs of Conoco but ruled that Continental was liable for the tax on the excess. The lower courts upheld the commissioner. Continental contended in its petition that the lower court erred in refusing to recognize the corporate entity of Conoco.

Socony-Vacuum Oil Company, Inc., this city, is offering a new, colored diesel oil with rigidly-controlled specifications to the trade.

J. D. Powell, vice-president in charge of marketing for the Skelly Oil Company, Tulsa, has been named a director, succeeding the late William T. Atkins.

Textile Chemists Told Army Needs

—Continued from page 5

and H. E. Millson of the Calco Chemical division of the American Cyanamid Company.

Fabrics Testing Discussed

Edwin J. Saxl addressed the symposium on the development of new procedures for testing the wear and porosity of textile fabrics. Formerly, he stated, abrasive wear was measured by subjecting individual strips of fabrics to increasing numbers of abrasive strokes. This procedure was characterized as unsatisfactory, since it required the use of numerous separate testing specimens involving the consumption of much time. It was also termed unsatisfactory because the spread of distribution for the individual measurements is so wide that extrapolation of the test results become impossible.

Under an improved procedure the progress of destruction of a piece of fabric is tested by passing a stream of air through the material. Increased porosity, measured with a newly designed porosity tester, is taken as an indication of destruction. It was said that the coordination of the porosity measurements with the air measurements speeds testing, since the same specimen can be abraded and measured repeatedly. It was also claimed that the distribution of measurements in the new system is so small that extrapolation is possible with comparatively few tests.

The use of black carpet beetles in the testing of moth-proofed materials was described by Ruth E. Slabaugh. Investigations with the black carpet beetle, *Attagenus piceus,* Oliv., with other types of carpet beetles and clothes moths indicated the black variety well suited for testing purposes, it was said. The larvae are non-injurious when handled, they are easily bred on laboratory cultures, and they have been proved hardy under adverse testing conditions, it was declared. Accurate tests, Miss Slabaugh said, were obtained during the pupal and adult emergence periods by lengthening the test time and increasing the number of tests per sample and the observations during the test period.

In the studies, it was also shown, she stated, that the larvae showed a preference for feeding between two surfaces rather than on an exposed surface. Hence a test dish allowing access to both sides of the sample was found superior to one permitting the larvae access to the top side of the sample only. The feeding of the larvae was not affected by the glass bottom of the test dish, it was claimed.

Dead larvae and pupae were frequently devoured by the test larvae, it was also revealed, and thus necessitated removal to prevent excrement from other than sample feeding. Three sizes of larvae were recommeded by Miss Slabaugh for optimum test results. Visual damage, condition of the larvae, and the weight of the excrement were the criteria employed in judging the mothproofness of material being tested.

A description of a simple apparatus for testing fire-proofed textiles was presented in the paper by Emily W. Akin and Alfred R. Macormac. Accompanying the exhibition of the apparatus was a detailed presentation of results of a number of tests made on various fireproof textiles. The duplicability and practical application of the unit was emphasized.

George A. Slowinske discussed the evaluation of water-resisting textile finishes before the symposium. He briefly reviewed the known methods for determining the value of finishes commonly termed water-resistant, water-repellent, and waterproof, and compared tests measuring surface repellency, absorption resistance, and hydrostatic pressure resistance. Descriptions of a number of the simple tests used in the textile industry were also presented.

A report of the committee on crease resistance and permenance of finish was next delivered by K. H. Barnard, chairman of the committee. He stated that the principle work by the group in the past year was concerned with the development of a "drape meter," under the direction of E. R. Schwarz, of the Massachusetts Institute of Technology. The instrument was described as sensitive and reliable in determining the "feel" and "hand" of fabrics, yet inexpensive. Several units were said to be in everyday use by a number of large textile manufacturers, and the representative results obtained by these laboratories on a set of samples were shown in close agreement.

Carl Z. Draves, president of A.A.T.C.C., addressing luncheon at World Fair. J. E. Meili, New York section chairman, on left; Louis A. Olney, president emeritus, on right.

Processing Aids Described

The shrink-proofing of wool by the use of bromine was described by Ralph L. Ericsson as the first presentation of the symposium on chemical and dyeing aids. Several features were said to make bromine appear attractive as a shrink-preventive finishing agent for wools. Among the advantages claimed were less chemically determinable damage to the wool fiber, easier control during application, and a reduction of fumes with a newly designed apparatus.

Mr. Ericsson described experiments in which worsted yarn had been made considerably less shrinkable, determined by fulling hose knit from the yarn. He also stated that studies have failed to reveal residual bromine after neutralizing, and emphasized the importance of neutralizing all acid absorbed during the bromination process.

The ability of tetrasodium phosphate to soften water, peptize finely divided solids at mild alkalinities, and form soluble complexes with magnesium and iron were said by Paul Logue to warrant its application in textile processing. These properties have been found valuable in kier-boiling, he stated, and were obtained by using a concentration of only one-half to one percent of the material.

He also said that a similar concentration resulted in marked improvement in bleaching operations, where iron compounds might produce harmful effects. It was suggested that the addition of the phosphate be made either at the beginning or near the end of the bleaching operation when hydrogen peroxide is used. Tetrasodium phosphate was also described as valuable in soaping off after naphthol dyeing, and in dyeing direct and sulphur colors. The mild scouring action of the material was said to cause no damage to silk, rayon, or wool.

A review of the research work to date on the dyeing of nylon with acid colors was presented by P. H. Scott, of E. I. du Pont de Nemours & Co. He declared that the new synthetic fiber is more selective towards the absorption of acid colors than are silk and wool, and that these dyestuffs possess saturation points beyond whcih it is difficult to dye them properly, especially when in combination. This may be overcome, it was added, by careful selection on the basis of saturation point, and regulation of speed of exhaust and affinity from the neutral bath.

He also revealed that in the case of the acid colors, the phenomenon of "boiling on and off" is much less evident then when acetate dyes are applied to nylon. Samples were shown to illustrate the superior penetrating properties of the latter.

Surface Agents Praised

The use of surface active agents in the degumming of silk hosiery was described in a paper by O. M. Morgan and H. Seyfreth. Results of investigations were said to show that the use of agents such as the alkyl aryl sodium sulphonates and suitable alkalies produced materials superior to those processed with other conventional cleansers. Improvement resulted, it was stated, in the "handle" characteristics, in the betterment of dyestuff value, and in a reduction in processing cost.

To close the symposium, the second part of a paper describing microscopic observations of wool dyeing was presented by G. L. Royer and H. E. Millson. Cross-sectional illustrations shown, emphasized the importance of proper penetration of dye into the fiber in the production of a satisfactory dye finish. It was also demonstrated that the fastness of a dyed shade to fulling, washing, and crocking was influenced by the rate of exhaustion, especially in fast color work.

Rhode Island Section Honored

First prize in the intersectional contest of technical papers was awarded to the Rhode Island section of the association. The winning paper, entitled, "The Effect of Modern Finishing Agents on the Light Fastness of Cotton Colors," was delivered by William H. Cady. Second prize was awarded to the Philadelphia section for a paper entitled "Variables Encountered in Fadeometer Testing," delivered by Charles A. Siebert. Third prize went to the Southeastern section for a paper entitled "Some Observations on the Tendering of Vat and Naphthol Dyed Army Duck on Total Exposure to Weathering," delivered by A. R. McCormick.

Other papers entered in the contest were: "Development of Hosiery Progcessing in the South," delivered by Walter B. Hadley for the South Central section; "Informative Textile Labeling," delivered by Henry F. Herrmann for the New York section; "An Analysis of the Split-Bath Method of Dyeing Silk Hosiery," delivered by A. Alexander for the Midwest section; "Screen Printing in the South," delivered by William Walter for the Piedmont section; and "What Is New in New England," delivered by Henry Grimes for the New England section.

Presentation of the awards for winning contest papers was made by Carl Z. Draves, president of the association, at a luncheon in the National Advisory Committee Building at the World Fair. Louis A. Olney, president emeritus and chairman of the research committee presided over the brief presentation excercises.

Fertilizer Materials

Better Call for Fertilizer and Feed Products Firms Market —Blood, Tankage, Cottonseed Meal, Menhaden Scrap Advanced —Soda Nitrate Contracting Brisk — Sulphate Still Tight

A better tone developed in the raw fertilizer materials market last week, with both fertilizer and feed products in better demand. Smaller mixers were beginning operations and were calling for further supplies. On the strength of the better demand, several price advances were recorded.

Fertilizer tankage was advanced in Chicago to a par with the feeding stocks. Blood was higher in New York. There were very few offerings of menhaden scrap, most available material already having been contracted. There were sales, however, at a price higher than quoted two weeks ago. Producers of cottonseed meal continued to advance prices and supplies were becoming hard to obtain at any price. Bone materials and nitrogenous stuff were firmer but unchanged.

On the whole, chemicals were active. Nitrate of soda was not moving in heavy volume, but contracting for future delivery was still proceeding briskly. Potash supplies were in good demand, with a new source of domestic material opened. Sulphate of ammonia was in good call but was hard to obtain for prompt shipment. Export call was heavy. Japanese imports of sulphate underwent a sharp upward turn during the first half of this year, the total being reported at 82,963 metric tons, against 50,940 in the similar period of 1939. The chief supplier was the United States.

Nitrogenates

Ammonia Phosphate.—Conservative demand recorded. Supplies tight. Offerings small. Price firm and unchanged.

Anhydrous Ammonia. — Smaller movement to fertilizer mixers. Price steady.

Calcium Nitrate.—Market slightly more active due to increased demand. Offerings restricted. Price unchanged.

Castor Pomace.—Domestic, firm. Imported, nominal and very scarce.

Cyanamid.—Stocks and offerings small. Demand fair. Inquiries slightly improved. Price steady.

Dried Blood.—Better demand. Prices firmer but no change made.

Fish Scrap.—Menhaden less available. Last sales made at $3.25 and 10c. per unit, an advance of 10c. per unit over the previous price. No Japanese sardine meal offered. Price nominal.

Manganese Sulphate.—Routineness of two weeks ago gave way to better interest last week. Contract call improved. Shipments were slightly heavier. Price firm and unchanged.

Nitrate of Soda.—Contract negotiations still holding interest of the trade. Shipments very light at this time. Price firm and unchanged for both bagged and bulk material.

Nitrogenous Material.—Better demand at Eastern and Midwestern points. Imported material reported unavailable. Prices on domestic grades firm.

Sulphate of Ammonia.—Supplies still fairly tight, with a good domestic and export call. Price firm.

Tankage.—Fertilizer grade advanced 15c. per unit to $2.65 and 10c., f.o.b. Chicago. Other quotations unchanged but firmer. Better demand for all grades recorded during week.

Urea.—Movement moderate. Prices firm.

Potashes

Supplies of domestic potash salts were reported as still tight during the past week. Demand was satisfactory and shipments were lighter. Producers of new source muriate scheduled to start shipments last week. Full production should be under way by first week of November.

Phosphates

Bone Materials.—The demand for domestic grades was better during the week. Imported material was scarce and not offered freely. Feed manufacturers were showing more interest in obtaining supplies in the near future. All prices were steady and unrevised.

Phosphate Rock.—Fair call for all grades, with an indication of a pick-up shortly. Inquiries better. New business routine. Prices firm.

Superphosphate.—Demand remained unsatisfactory but was better than in several previous weeks. Prices were firm and unchanged.

Sulphur and Pyrites

Crude sulphur continued to hold the interest of consumers, who were ordering in good volume. Most call was for contract delivery and new business was small. Pyrites market was routine, with a fair demand for available stocks of Canadian product. All prices were firm and unchanged.

Price Changes

Advanced

Blood, dried., dom., 10c. per unit, f.o.b. N. Y.
Cottonseed meal, 8%, $2 per ton, Southeastern mills.
Fish scrap, menhaden, dried, 10c. per unit, f.o.b. Balto.
Tankage, fertilizer, 15c. per unit, f.o.b. Chi.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.3	67.3	67.0	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Atlanta—Oct. 23

The market for fertilizer materials is reported restricted to very few items. Orders for sulphate of ammonia are taken only for delivery several weeks in the future. Cottonseed meal continues to advance. At present this material is scarce. Quotations of this market are as follows:—

SUPERPHOSPHATE.—55c. per unit, interior producing points.

NITRATE OF SODA.—Bulk, port basis, $27 per ton.

SULPHATE OF AMMONIA. — Tight; $28 per ton, port basis.

COTTONSEED MEAL.—8% grade, $27.50 to $28 per ton, southeastern points.

BLOOD.—S.Am., $2.50 per unit, ports; $2.60, Chicago.

TANKAGE.—$2.65 and 10c. per unit, basis Chicago.

Baltimore—Oct. 23

There has been a slight change in the market for crude fertilizer materials, with the demand up a bit. Movement in mixtures has picked up and seems to be normal at this time.

FISH SCRAP.—Reports of sales of menhaden at $3.25 and 10c. Offerings small. Fishing operations during the past week were very unsatisfactory, so that the additions made to the stocks of scrap were negligible. No Japanese sardine meal is being offered.

SULPHATE OF AMMONIA.—Spot sales have been reported at as high as $40 per ton, compared to the contract price of $28.

SUPERPHOSPHATE.—The market remains featureless, with the quotations still at $3 per ton for 16 percent and at $8.50 per ton for 16 percent flat. Inquiry is slack.

TANKAGE.—Firmer, with buyers showing more interest. Last sales were at $2.50 and 10c.

DRIED BLOOD.—Sold at $2.35 per unit-ton, f.o.b. New York, with movement better. South American supplies are held at $2.50 per unit-ton.

Chicago—Oct. 23

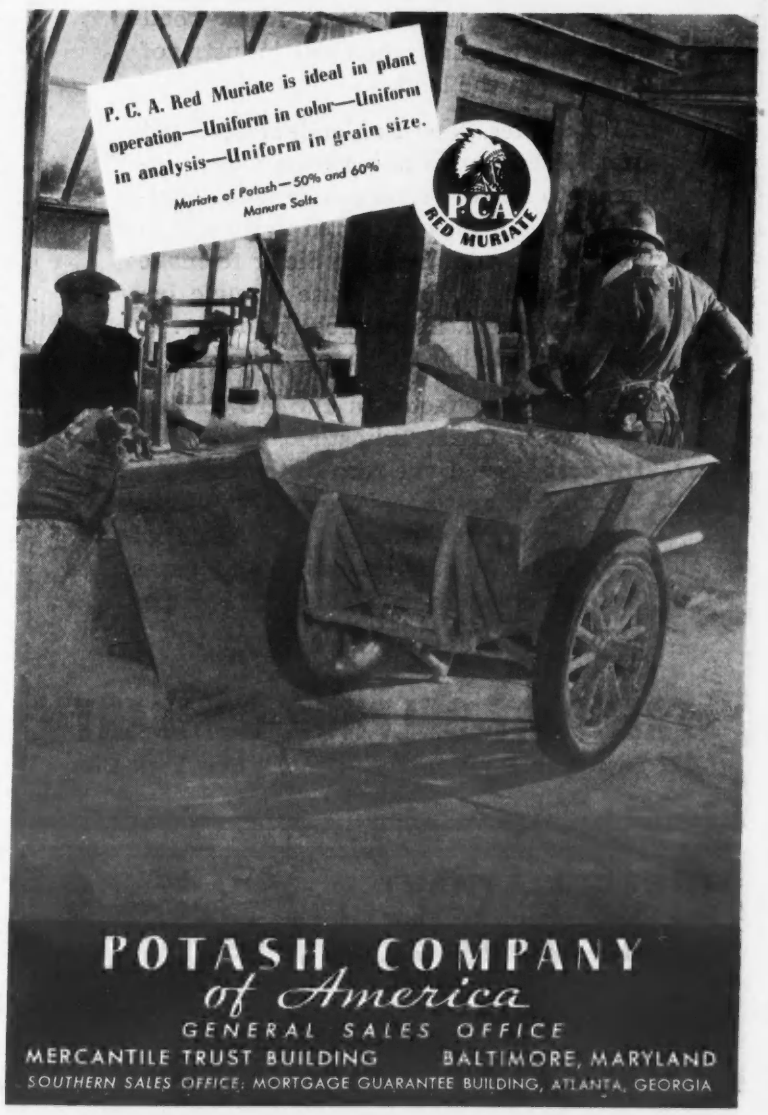
Moderate price movements are reported in the general fertilizer materials market in the last few days. Blood has been giving a fairly good account of itself, and prices are little firmer. Bone materials have been irregular and rather spotty. Tankage business has been improved by numerous small inquiries and orders.

BLOOD—Principal grade, $2.60 per unit of ammonia.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

★ Domestic
MADE IN U. S. A.
THE BARRETT COMPANY
40 RECTOR ST., NEW YORK
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
REG. U. S. PAT. OFF.
MURIATE OF POTASH
62/63% K_2O, ALSO 50% K_2O
MANURE SALTS
Approximately 30% K_2O
UNITED STATES POTASH COMPANY
INCORPORATED
30 Rockefeller Plaza
New York, N. Y.


P. C. A. Red Muriate is ideal in plant operation—Uniform in color—Uniform in analysis—Uniform in grain size.
Muriate of Potash—50% and 60% Manure Salts
P.C.A. RED MURIATE
POTASH COMPANY of America
GENERAL SALES OFFICE
MERCANTILE TRUST BUILDING BALTIMORE, MARYLAND
SOUTHERN SALES OFFICE: MORTGAGE GUARANTEE BUILDING, ATLANTA, GEORGIA

TANKAGE—High grade, feeding, $2.65 and 10c.; hoof meal, $2 to $2.25; liquid stick, $1.50 to $1.75.

BONE MATERIALS—Ground, steamed bone, 1¼ and 60 per cent, $28 to $29; 3 and 50 percent, $30 to $31; 4½ and 50 percent, $31 to $33; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $30 to $35; hard pressed cracklings, per unit of protein, 55c. to 60c.; beef cracklings, soft pressed, $30 to $32.50 per ton; pork cracklings, soft pressed, $32.50 to $35.

San Francisco—October 23

Conditions are quiet, but firm, and deliveries are fair. Interest continues to show in some organics especially feeding purposes. Fish meal is in good tone and is getting a good call. Prices throughout were unchanged.

SULPHATE OF AMMONIA.—$38 per ton in 100-pound bags, delivered inland points. Actual freight allowed, $4.40 per ton.

SUPERPHOSPHATE.—Domestic, 80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c. per unit.

NITRATE OF SODA.—100-pound bags, $29.40 per ton and 167-pound bags, $28.70, both ex-vessel or warehouse. Bulk lots at $27.

FISH MEAL.—Steady. Inquiry and sale good. Spot California meal at $45 per ton. Future delivery, 67% protein, $43 per ton, f.o.b. San Francisco, 65% protein, $42, f.o.b. Monterey.

TANKAGE.—Strong. Unground fertilizer, wet rendered, domestic, $2.75 and 10c. per unit-ton, f.o.b. plant, Northern California. Dry rendered, ground, 50%, $34.50 per ton, f.o.b. cars, South San Francisco. Argentine, 50% ground, $36 per ton ex-dock, San Francisco; 65%, $39. Unground, domestic dry rendered, 55c. to 57½c. per unit of protein, f.o.b cars, South San Francisco.

BLOOD MEAL.—$2.60 per unit, f.o.b. cars, San Francisco or Los Angeles.

BONE MEAL.—$29 to $35 per ton, delivered Pacific Coast ports.

Chile to Reopen Nitrate and Iodine Plant

OPD Washington Bureau
October 23, 1940

A decree issued by the Chilean Minister of Labor empowering the Superintendent of Nitrate and Iodine, representing the government, to assume charge of the operations of a closed nitrate plant, according to advices to the Department of Commerce from the office of American commercial attache in Santiago. The plant referred to is known as the Rosario de Huara Oficina owned by the Compahia Salitrera Antofagasta Tarapaca with production capacity of approximately 36,000 metric tons of nitrate annually.

The owners alleged that operations were suspended at this plant because of the unfavorable world market outlook due to disturbed conditions in Europe and Egypt. The government contended that suspension of operations implied unemployment of more than 800 men representing a population of more than 3,000 people and paralyzation of activities would imperil economic-social lives of the section in the Province of Tarapaca, where the plant is located.

Union Potash Co. Plant To Reach Capacity Nov. 4

The Union Potash & Chemical Company has started shipments of muriate of potash. Production of sulphate will begin this week. Substantial shipments of sulphate of potash magnesia have already been made. The Carlsbad plant is expected to be in full operation by November 4.

Consolidated Products Honors B. M. Todd

A testimonial dinner was tendered to B. M. Todd, at the Newark Athletic Club, October 10, by the Consolidated Products Company. Mr. Todd is retiring after twenty-one years of service, and is the first employee of Consolidated Products Company to receive a pension.

A. M. Kahn, president, made the principal address and spoke in glowing terms of the sterling qualities which Mr. Todd possesses. He referred to the high esteem with which he was regarded, not only by the men who were employed by him, but also by those customers who contacted him during his many years in the Newark warehouse.

Following his address, A. M. Kahn introduced C. J. Gale, who acted as toastmaster.

Among the guests were included Mr. B. M. Todd's brothers, Mr. Joseph Todd and Mr. John Todd, and his son, Mr. James Todd, and many personal friends.

Mr. Todd was the recipient of a number of gifts, including a fishing rod and traveling bag from the Newark and New York staffs. He was presented with a medal and several diplomas, which reflected upon his prowess as a fisherman and his skill in bowling.

Mr. Todd turned over the keys of his office as superintendent of the Newark warehouse, to his successor, William Wolf, who recently returned to the Consolidated organization; his first job twenty years ago having been as secretary to Mr. Todd at the first Newark warehouse.

Seated—B. M. Todd. Standing, left to right—Maurice Shapira, Newark attorney; H. B. Cohen, Chemical Engineer, with the company sixteen years; M. I. Cowen, secretary; Joesph Todd, brother of B. M. Todd; James Todd, son of B. M. Todd; A. M. Kahn, president of the Consolidated Products Co.; John Todd, brother of B. M. Todd; Frank Cherubini, with the company twenty years; Herman Kahn, treasurer; Bill Budin, with the company nineteen years; W. T. Hand, crushing and pulverizing division, with the company fifteen years.

Alther, Mitchell Trustees Of Ill. Technology Institute

Chicago, Oct. 22, 1940

Josph G. Alther, a vice-president and general manager of the Universal Oil Products Company, this city, and John J. Mitchell, also a vice-president and treasurer, have been named trustees of the Illinois Institute of Technology, a new university created by the merger of the Armour Institute of Technology and the Lewis Institute. It is planned to make the new institution the most outstanding in the Midwest for training in science and engineering as applied to petroleum.

Methanol Prices Renewed

E. I. duPont de Nemours & Co., Wilmington, announced that contracts for 1941 for pure synthetic methanol will be submitted to the trade November 1. There will be no change in price; contracts will include the usual quarterly adjustment clauses with price guaranteed through the first quarter of 1941.

Vitamin B_1 Brochure Issued

A revised edition of its booklet, "The Story of Vitamin B_1," reviewing the current scientific literature on the material has been prepared by Merck & Co. The work treats the isolation and synthesis of Vitamin B_1 its chemical and physical properties, physiological and pharmacological actions, use in animal and plant nutrition, and role in plant growth.

The brochure, which is not intended for general distribution, will be sent investigators in the field of vitamin therapy, research workers in human and animal nutrition, manufacturers of ethical pharmaceutical and proprietary products, and other individuals properly entitled to receive it for their information and use. Copies may be obtained by communicating with Merck & Co., 161 Sixth avenue, New York, mentioning the REPORTER.

Metal Tube Varieties Shown

Complete information on product packaging in metal tubes is contained in an attractive booklet just issued by the Standard Specialty & Tube Company. Copiously illustrated, the volume describes or pictures the entire line of tubes, shells, caps, applicator pipes, and can spouts available. Also presented is information on tube filling and closing equipment. A copy of the booklet may be obtained by addressing the Standard Specialty & Tube Company, New Brighton, Pa., mentioning the REPORTER.

Baugh Plant Damaged

Philadelphia, Oct. 18, 1940

Fire fed by thousands of tons of fats and grease today leveled five of the fifty-six buildings at the fertilizer plant of Baugh & Sons along the Delaware river. Among the structures destroyed were a four-story fertilizer and feed mill, a two-story storage house and a stable. The flames were under control before they could reach huge tanks of alcohol stored nearby.

M. H. Read & Associates, Charleston, S. C., has acquired controlling interest in the Southern States Phosphate & Fertilizer Company and its wholly-owned subsidiary, the Chatham Chemical Company, Savannah.

THEY PAID TAXES WITH POTASH

Back in Colonial times, the early settlers paid taxes to England with potash. The production of this potash from wood ashes was the first chemical industry of any note in the land.

A little later, New Englanders used old iron kettles from whaling vessels as equipment to make ferrocyanide and ferricyanide, and they imported pyrites from Spain and sulphur from Sicily to make sulphuric acid. From these humble beginnings the U. S. chemical industry has grown to a billion dollar output.

An important factor in the growth has been Gulf Coast brimstone, mined for the first time at the turn of the century. Today, our customers are assured ample supplies of this essential raw material from our mines in Louisiana and Texas and our above-ground stocks of 99½ per cent pure crude sulphur.

FREEPORT SULPHUR COMPANY
122 East 42nd Street New York City

THREE ELEPHANT
BORAX
AND
BORIC ACID
Purity Guaranteed Over 99.5%

The
AMERICAN
POTASH & CHEMICAL
CORPORATION
TRONA
70 Pine Street New York
Stocks carried in principal cities in the United States and Canada

TRONA
MURIATE OF POTASH
A 95-98% Agricultural Grade
A Special Grade for Manufacturers of Industrial Chemicals

Shipping Information

All matter under this heading fully protected by copyright.

Imports at U.S. Ports

New York Imports

ACID, DIHYDROCHLORIC—3 cs, Gane & Ingram, Genoa

AGAR—30 bls, T M Duche & Sons, Shanghai
40 bls, Dairen
55 bls, Japan

ALOE—15 cs, Selma Mercantile Corp, Curacao
300 tins, Wessel, Duval & Co, Porto Cabello
50 cs, Wessel, Duval & Co, Aruba

ALUMINUM FOIL—139 cs, Fred P Gaskell Co, Genoa
147 cs, Fred P Gaskell Co, Genoa
546 cs, Brown Bros Harrimann Co, Genoa

ANNATTO SEED—20 bgs, D Steengrafe, Kingston

ANTIMONY ORE—1,669 bgs, W R Grace & Co, Antofagasta
293 bgs, W R Grace & Co, Antofagasta
3,028 bgs, Chemical Bank Trust Co, Antofagasta

ASBESTOS—878 bgs, Johns Manville Corp, Capetown
1,000 bgs, Continental Illinois Natl Bank, Capetown
1,800 bgs, Raw Asbestos Distr, Beira

BARBASCO ROOT—553 bls, Wessel, Duval & Co, Para

BEEF EXTRACT—50 cs, Wilson & Co, Buenos Aires

BELLADONNA LEAVES—36 bgs, Bilbao

BISMUTH, REFINED—153 bxs, Cerro de Pasco Copper Corp, Callao
SULPHONATUM — 6 bbls, Mallinckrodt Chem Works, Genoa

BRISTLE—51 cs, National City Bank, Dairen
135 cs, Tsingtao
13 cs, Bank of London South America, Yokohama
110 cs, Yokohama
25 cs, National City Bank, Yokohama
5 cs, F H Cone & Co, Osaka
33 cs, Dairen

CACTUS—30 cs, S B Penick & Co, Kingson

CAROB BEANS—20 cs, J B De Macedo, Lisbon
FLOUR—100 bgs, S B Penick & Co, Piraeus
87 bgs, T M Duche & Sons, Piraeus
100 bgs, S B Penick & Co, Piraeus
73 bgs, T M Duche & Sons, Piraeus

CASSAVA FLOUR—50 bgs, Santos

CASSIA—151 bls, Sino Java Hvg, Padang
84 bls, McLaughlin, Gormley & King, Hongkong
84 bls, A G Dunn, Hongkong
134 bls, L H Parke Co, Dairen
171 bls, Catz American Co, Padang
123 bls, Padang
80 bls, A G Dunn, Padang
421 bls, Catz American Co, Padang
147 bls, Padang
VERA—11 bls, Batavia

CASTOR BEANS—3,146 bgs, Baker Castor Oil Co, Santos
4,333 bgs, Baker Castor Oil Co, Santos
1,160 bgs, Baker Castor Oil Co, Rio Janeiro
1,900 bgs, Baker Castor Oil Co, Rio Janeiro

CHALK—741 bgs, Pomeroy & Fischer, Vera Cruz

CHARCOAL, COCONUT SHELL—2,204 bgs, American Overseas Corp, Philippine Ports

CHEMICALS—4 cs, Allondon Bayonne Co, Genoa
4 cs, Gane & Ingram, Genoa
2 cs, Frank W Horner, Genoa
11 cs, Sandoz Chem Works, Genoa
1 can, Carbic Color & Chem Co, Genoa
79 dms, Sandoz Chem Works, Genoa
32 bbls, Sandoz Chem Works, Genoa
15 cs, Sandoz Chem Works, Genoa
4 cs, Gane & Ingram, Genoa
3 cs, Erich & Mantius, Genoa
60 cs, 1 bbl, Sandoz Chem Works, Genoa
70 kegs, Ciba Co, Genoa
TEXTILE—87 cyls, Sandoz Chem Works, Genoa

CHILLIES—82 bgs, Africa

CLAY—1 cs, The Dorr Co, Batavia

COALTAR INTERMEDIATES—40 bbls, Sandoz Chem Works, Genoa
13 cks, 54 cyls, Sandoz Chem Works, Genoa
40 bbls, 135 nkgs, 60 bbls, Ciba Co, Genoa

COBALT BEARING RESIDUE—520 dms, Central Trading Corp, Beira

COCOA BEANS—30 bgs, W R Grace & Co, Puerto Cabello
325 bgs, Meyer & Co, Puerto Cabello
96 bgs, W R Grace & Co, Puerto Cabello
250 bgs, W R Grace & Co, Guayaquil
250 bgs, A Canale, Guayaquil
250 bgs, Nieschlag & Co, Africa
250 bgs, General Cocoa Co, Africa
750 bgs, Kennedy, Butcher & Co, Africa
400 bgs, Nieschlag & Co, Africa
350 bgs, General Cocoa Co, Africa
200 bgs, Banco de Venezuela, Curacao
500 bgs, Curacao
304 bgs, Tropic Food, Cristobal

COCONUT, DESIC—1,287 pkgs, Balfour, Guthrie & Co, Philippine Ports
1,277 pkgs, Durkee Famous Foods, Philippine Ports
112 bgs, Philippine Desic Coconut Corp, Philippine Ports
2,591 pkgs, Durkee Famous Foods, Philippine Ports
2,000 bgs, General Food Corp, Philippine Ports
100 cs, Balfour, Guthrie & Co, Philippine Ports
3,086 pkgs, General Food Sales Corp, Philippine Ports
150 cs, Balfour, Guthrie & Co, Philippine Ports

COCONUTS—1,542 bgs, General Food Sales Corp, Kingston

COPAIBA BALSAM—28 cs, Itacoatiara

CORK—95 bgs, Atlantic Freighting Corp, Lisbon
44 bls, Cork Importing Corp, Lisbon
40 bls, Alicante
24 bls, F Ferrer, Alicante

SHAVINGS—4,222 bls, H Suhl, Lisbon

VIRGIN—267 bls, Mundet Cork Corp, Lisbon
842 bls, Mundet Cork Corp, Lisbon
2,436 bls, Mundet Cork Corp, Lisbon
2,696 bls, H Suhl, Lisbon
1,150 bls H Suhl, Lisbon

WASTE—100 bls, Atlantic Pacific Mfg Corp, Lisbon
721 bls, Mundet Cork Corp, Lisbon

CORK, WASTE—916 bls, Mundet Cork Corp, Lisbon
1,140 bls, Bond Mfg Corp, Lisbon
2,495 bls, Mundet Cork Corp, Lisbon
2,497 bls, Mundet Cork Corp, Lisbon
970 bls, Mundet Cork Corp, Lisbon
1,205 bls, Armstrong Cork Co, Lisbon
2,204 bls, Mundet Cork Corp, Lisbon

WOOD—225 bls, Atlantic Freighting Corp, Lisbon
47 bls, Mundet Cork Corp, Lisbon

COTTONSEED MEAL — 1,600 bgs, West Texas Cotton Oil Co, Santos
2,229 bgs, Kuyper & Bolle, Santos
1,200 bgs, National City Bank, Santos

COTTON LINTERS—59 bls, Callao
2,500 bls, West Texas Cotton Oil Co, Santos
500 bls, West Texas Cotton Oil Co, Santos
1,529 bls, Hercules Powder Co, Santos
80 bls, Williamson Product Co, Rio Janeiro

CUBE ROOT—2 cyls, S Stern Stiner & Co, Callao

CUTTLEFISH BONES—200 cs, Manufacturers Trust Co, Lisbon
75 cs, Atlantic Freighting Corp, Lisbon

DOGWOOD BARK—60 bgs, Kingston

DYES—1 cs, C P Veenhof, Sourabaya
ANILIN—75 dms, Ciba Co, Genoa
1 cs, Ciba Co, Genoa
56 dms, Sandoz Chem Works, Genoa
47 cks, Sandoz Chem Works, Genoa
86 kgs, Carbic Color & Chem Co, Genoa
13 dms, Sandoz Chem Works, Genoa
18 cyls, Sandoz Chem Works, Genoa
80 bbls, 2 cs, Ciba Co, Genoa
59 bbls, Geigy Co, Genoa
24 cs, 4 cyls, J Van Gorkon, Genoa
46 dms, Sandoz Chem Co, Genoa
139 bbls, Ciba Co, Genoa
474 bbls, Ciba Co, Genoa
7 cs, Ciba Co, Genoa
73 dms, Ciba Co, Genoa
73 dms, Gondrand Shipping Co, Lisbon
42 kgs, 1 cs, Sandoz Chem Works, Lisbon
90 dms, Gonrand Shipping Co, Lisbon
11 kgs, A F Cofod & Co, Lisbon

ENAMEL—1 pkg, E I Dupont de Nemours Co, Sydney

ERGOT—20 cs, S B Penick & Co, Lisbon
20 cs, R J Prentiss & Co, Lisbon

FERROSILICON—31 cks, Genoa

FLEASEED—17 bgs, R J Prentiss & Co, Bilbao
79 bgs, Alicante

FLOWERS MED—1 bl, S B Penick & Co, Callao

GENTIAN ROOT—66 bgs, Kachurin Drug Co, Vigo

GINGER—81 cs, R H Macy & Co, Hongkong
65 cs, E Miltenberg, Hongkong
3 cs, B Altman & Co, Hongkong
69 bgs, Barclay Bank, Kingston

GLANDS, BEEF—5 pkgs, Wilson & Co, Brisbane

GUAPI BARK—60 bls, Para
90 bls, Para

GUM, ARABIC—124 bgs, Innis, Speiden & Co, Durban
COPAL—52 bskts, Jacobus F Frank, Macassar
50 bskts, O G Innes Corp, Macassar
48 bskts, O G Innes Corp, Macassar
7 bskts, H P Winter & Co, Macassar
42 bgs, O G Innes Corp, Macassar
308 bgs, O G Innes Corp, Macassar
150 bskts, O G Innes Corp, Macassar
70 bgs, O G Innes Corp, Macassar
181 bskts, Commercial Natl Bank, Macassar
75 bgs, Stroock & Wittenberg, Manila
DAMMAR—500 bgs, Irving Trust Co, Singapore
100 cs, Stroock & Wittenberg, Padang
100 cs, Batavia
200 cs, Stroock & Wittenberg, Batavia
KARAYA—200 bgs, Frank Vliet Co, Bombay
OLIBANUM—66 bgs, Frank Vliet Co, Bombay
TRAGACANTH—117 bgs, D Abondi, Belawan Deli
67 bgs, D Abondi, Belawan Deli
663 bgs, D Abondi, Belawan Deli

HENBANE LEAVES—15 bgs, Alicante

HERBS, MEDICINAL—6 tins, Walter Vander Bergh, Batavia
75 bgs, Yokohama Specie Bank, Yokohama

HOREHOUND LEAVES—40 bls, Alicante

HORN MEAL—1 cs, Tupman-Thurlow Co, Santos

INDIGO—150 cs, Ciba Co, Genoa
160 bbls, Ciba Co, Genoa

IPECAC ROOT—10 bgs, Wessel, Duval & Co, Cristobal

IODINE, CRUDE — 2,143 kegs, Chilean Nitrate Sales Corp, Tocopilla

KOLA NUTS—100 bgs, D Steengrafe, Kingston

LEAD, CONC—2,424 bgs, South American Development Co, Guayaquil

LIVER MEAL—487 bgs, Swift & Co, Buenos Aires
500 bgs, Wessel, Duval & Co, Brisbane

MACE—16 cs, Geo L Curtin Co, Macassar
16 cs, Macassar
64 cs, Catz American Co, Banda
16 cs, Banda
17 cs, Geo L Curtin Co, Menado
11 cs, Menado
34 cs, Catz American Co, Banda
20 cs, Catz American Co, Banda
34 cs, Catz American Co, Banda
15 cs, Geo L Curtin Co, Macassar
24 cs, Jacobus F Frank, Macassar
11 cs, Tandjong Priok
37 cs, Catz American Co, Macassar
29 cs, Catz American Co, Macassar

MANIOC FLOUR—1 cs, Independent Mdse Corp, Santos

MEDICINAL PREPS—9 cs, E Fougera & Co, Vera Cruz
1 cs, New York & Cuba Mail S S Co, Vera Cruz
2 cs, Eli Lilly & Co, Capetown
8 cs, Hoffmann La Roche Co, Genoa
7 cs, S B Penick & Co, Kobe

MENTHOL—30 cs, Bridges, Neumer & Co, Shanghai

MICA—194 cs, American Mica Forks, Victoria

MILK POWD—110 cs, Nestles Milk Prod, Inc, Genoa

MUSTARD SEED—37 bgs, A G Dunn, Valparaiso

NUTMEGS—58 bgs, National City Bank, Padang

NUTMEGS—118 bgs, Corn Exchange Bank Trust Co, Padang
115 bgs, National City Bank, Padang
110 bgs, H P Winter & Co, Belawan Deli
248 bgs, Catz American Co, Banda
65 bgs, Catz American Co, Banda
26 bgs, Catz American Co, Banda
64 bgs, Norda Essential Oil & Chemical Co, Macassar
64 bgs, Geo Lueders & Co, Macassar
7 bgs, Catz American Co, Macassar
100 bgs, New York Trust Co, Cheribon
69 bgs, Cheribon
228 bgs, International Credit Hvg, Cheribon
227 bgs, Geo Lueders & Co, Padang
59 bgs, Corn Exchange Bank Trust Co, Padang

OIL, BASILICUM—2 cs, Batavia
CAJEPUT—2 dms, J Berlage Co, Macassar
5 dms, Orbis Product Corp, Macassar
CAMPHOR—5 dms, Irving Trust Co, Yokohama
5 dms, Corn Exchange Bank Trust Co, Yokohama
CARDAMOM—1 cs, Sino Java Hvg, Batavia
CHINAWOOD—200 tons, Murray Oil Product Co, Shanghai
CITRONELLA—32 cs, Batavia
18 dms, Batavia
15 dms, International Credit Hvg, Batavia
30 dms, Batavia
12 dms, Procter & Gamble, Tandiong Priok
COCONUT—Quantity, Philippine Refg Corp, Philippine Ports
512 tons, Balfour, Guthrie & Co, Manila
100 tons, Durkee Famous Foods, Manila
200 tons, Spencer Kellogg & Sons, Manila
329 tons, Spencer, Kellogg & Sons, Manila
330 tons, Spencer, Kellogg & Sons, Manila
91 tons, Spencer Kellogg & Sons, Manila
294 tons, Spencer Kellogg & Sons, Manila
415 tons, Philippine Refg Corp, Manila
CODLIVER—100 dms, Vitamerican Oil Co, Yokohama
EUCALYPTUS—57 dms, Magnus, Mabee & Raynard, Melbourne
11 dms, Bank of Australasia, Sydney
LAVENDER—1 dm, Geo Lueders & Co, Alicante
3 dms, Magnus, Mabee & Reynard, Alicante
5 dms, Rouse Dupont, Alicante
LINALOE—1 dm, Chase Natl Bank, Vera Cruz
MOWRAH—3 dms, Durban
OLIVE—42 cs, Continental Importing Co, Lisbon
37 cs, Continental Importing Co, Lisbon
25 dms, M Contorinos, Piraeus
300 dms, Moschelades Bros, Piraeus
50 dms, T Marcello, Piraeus
100 dms, Schroeder Bros, Piraeus
100 dms, J L Toledona & J M Pinto, Piraeus
50 dms, Uddo Taormina Corp, Piraeus
250 dms, Douredoure Bros, Piraeus
50 dms, Uddo Taormina Corp, Piraeus
100 dms, Leghorn Trading Corp, Piraeus
225 cs, J Minervi, Piraeus
200 dms, C Pappas Co, Piraeus
50 dms, Uddo Taormina Corp, Piraeus
PALM—410 tons, Balfour, Guthrie & Co, Belawan Deli
PATCHOULI—3 dms, Stein, Hall & Co, Singapore
2 dms, Givaudan Delawanna, Singapore
PEANUT—722 tons, Tsingtao
PERILLA—364 dms, Dairen
PETITGRAIN—25 cs, Swift & Co, Buenos Aires
PIMENTO—2 dms, Dodge & Olcott Co, Kingston
7 cs, Geo Lueders & Co, Kingston
RAPESEED—306 tons, Yokohama
ROSEMARY—1 dm, Geo Lueders & Co, Alicante
3 dms, Magnus, Mabee & Reynard, Alicante
51 dms, Alicante
TEASEED—300 dms, T G Cooper & Co, Hongkong
124 dms, T G Cooper & Co, Hongkong
OPIUM—5 cs, Mallinckrodt Chem Co, Tandjong Priok
ORIGANUM LEAVES—55 bgs, Lekas & Drivas, Piraeus
200 bgs, E C Peta & Co, Piraeus
250 cs, G Armenis, Piraeus
55 bgs, Lekas & Drivas, Piraeus
ORTHOSIPHON LEAVES—5 cs, Batavia
PAPRIKA—75 bgs, Alicante
50 bgs, Alicante
PEPPER, WHITE—42 bgs, Batavia
84 bgs, Pangkal, Pinang
196 bgs, Pangkal, Pinang
162 bgs, Palembang
84 bgs, Nederlandsche Handel Mij, Palembang
84 bgs, Nederlandsche Handel Mij, Koba
84 bgs, Nederlandsche Handel Mij, Blinjoe
PERFUME — 18 cs, Givaudan-Delawanna, Genoa
SYNTHETIC—77 cs, Firmenich & Co, Genoa
28 cs, Firmenich & Co, Genoa
PETROLEUM, CRUDE—60,695 bbls, Cities Service Oil Co, Curacao
PICHI LEAVES—152 bls, S B Penick & Co, Valparaiso
PIMENTO—50 bgs, I Harrison & Whitney, Kingston
100 bgs, Kingston
50 bgs, Barclay Bank, Kingston
16 bgs, United Fruit Co, Kingston
POPPYSEED—400 bgs, R L Friedler, Istanbul
300 bgs, Becker Mauer Seed Co, Istanbul
500 bgs, Biddle Purchasing Co, Istanbul
375 bgs, Istanbul
300 bgs, G T German, Istanbul
300 bgs, Istanbul
300 bgs, Istanbul
PYRETHRUM FLOWERS—2,020 bls, Durban
QUICKSILVER—50 flasks, Chase Natl Bank, Vera Cruz
1 flask, H A Jordan, Vera Cruz
100 flasks, Chase Natl Bank, Vera Cruz
50 flasks, Chase Natl Bank, Vera Cruz
QUININE SULPHATE—137 cs, Guaranty Trust Co, Tandjong Priok
RESIN—142 cs, Chase Natl Bank, Manaos
RHUBARB—224 bgs, S B Penick & Co, Tientsin
RUTILE SAND—20 bgs, Bank of North South Wales, Sydney
SAFFRON—14 pkgs, S B Penick & Co, Vera Cruz
SAGE LEAVES—101 bls, F Keller, Piraeus
435 bls, F Keller, Piraeus
50 cs, E C Peta & Co, Piraeus
216 bls, S B Penick & Co, Piraeus
50 cs, Lekas & Drivas, Piraeus

SESAME SEED—50 bgs, Wah Young Co, Hongkong

SOAP, TOILET—1 cs, Colgate-Palmolive-Peet Co, Sourabaya

SODA NITRATE—17,915 bgs, Chilean Nitrate Sales Corp, Tocopilla

SPONGES—2 bls, H Duys, Havana
6 bls, Havana
13 bls, Havana
REFUSE—23 bls, Schroeder Bros, Havana
20 bls, Havana
25 bls, Havana

SULPHUR—6 bgs, Watson, Geach & Co, Antofagasta

TALC—245 cs, C B Chrystal & Co, Kobe
1,320 bgs, Dairen

TANKAGE—993 bgs, Buenos Aires
2,240 bgs, Buenos Aires
508 bgs, Tupman-Thurlow Co, Buenos Aires

TAPIOCA, COARSE—10 bgs, Santos
CRUDE—10 bgs, Santos
FLAKE—667 bgs, Stein, Hall & Co, Sourabaya
401 bgs, Stein, Hall & Co, Sourabaya
FLOUR—547 bgs, Stein, Hall & Co, Sourabaya
400 ogs, Cheribon
2 pkgs, Sino Java Hvg, Cheribon
250 bgs, Chase National Bank, Batavia
250 bgs, American Cyanamid & Chemical Co, Batavia
250 bgs, American Cyanamid & Chemical Co, Cheribon
220 bgs, Santos
547 bgs, Stein, Hall & Co, Sourabaya
1,094 bgs, Stein, Hall & Co, Sourabaya
711 bgs, Stein, Hall & Co, Sourabaya
500 bgs, National Adhesive Corp, Cheribon
500 bgs, Chase National Bank, Cheribon
500 bgs, Cheribon
544 bgs, Sourabaya
500 bgs, Tjilatjap
1,000 bgs, Sourabaya
400 bgs, Tjilatjap
PEARL—670 bgs, Stein, Hall & Co, Sourabaya
SEED—604 bgs, Stein, Hall & Co, Sourabaya

TARTAR—390 bgs, C Pfizer & Co, Alicante

THYME LEAVES—265 bls, Kachurin Drug Co, Alicante
9 bls, Alicante
295 bls, Kachurin Drug Co, Alicante

TOLU BALSAM—10 cs, Mecke & Co, Barranquilla
45 cs, Wessel, Duval & Co, Barranquilla
25 cs, Pan American Export & Import Co, Barranquilla

TONKA BEANS—1 cs, S Stern Stiner & Co, Para

VANADIUM ORE—5,662 bgs, Vanadium Corp, Callao

VANILLA BEANS—1 cs, Para
11 cs, M S Kattenhorn & Co, Semarang

VINE LEAVES—52 bbls, E C Peta & Co, Piraeus
50 cs, D Costalos, Piraeus
152 cs, Lekas & Drivas, Piraeus
438 cs, Moschaalades Bros, Piraeus

WATTLE BARK—5,773 bls, Durban

WAX, BEES—22 bgs, W R Grace & Co, Valparaiso
14 bgs, Havana
16 bgs, Havana
87 bgs, Ludwig Mueller Co, Valparaiso
16 bgs, Duncan, Fox & Co, Valparaiso
95 bgs, Rio Janeiro
14 bgs, Rio Janeiro
REFINED—3,388 bgs, Standard Oil Co of N J, Palembang
2,541 bgs, Standard Oil of N J, Palembang
VEGETABLE—100 cs, H H Rosenthal Co, Kobe

WETTING AGENT—1 cs, Ciba Co, Genoa
15 cs, Ciba Co, Genoa
13 cs, Ciba Co, Genoa

WOLFRAM ORE—179 bgs, East Asiatic Co, Bangkok

YEAST—1 pkg, Standard Brands, Havana

ZIRCON SAND—2,000 bgs, Bank of North South Wales, Sydney
20 bgs, Bank of North South Wales, Sydney

New York Transit Imports

BONE DUST—1,000 bgs, E S & A Bank, Melbourne, Toronto

COALTAR INTERMEDIATES — 102 bgs, Genoa, Ohio
8 bbls, Genoa, Ohio

COLORS—14 bbls, Subox, Inc, Genoa, North Arlington

GREASE, WOOL—3 dms, Bank of North South Wales, Adelaide, Montreal

OIL, EUCALYPTUS—5 dms, Commercial Bank of Australia, Melbourne, Toronto
20 cs, Commercial Bank of Australia, Melbourne, Toronto
1 dm, Commercial Bank of Australia, Melbourne, Toronto
10 cs, Commercial Bank of Australia, Melbourne, Toronto
PALM—534 tons, Lever Bros, Delawan Deli, Toronto

OLEIN—36 cks, Bank of Australasia, Melbourne, Toronto

TALLOW—548 dms, Bank of Australasia, Melbourne, Toronto

TANKAGE—350 bgs, Feed Product Corp, Rio Grande, Buffalo
3,279 bgs, Feed Product Corp, Rio Grande, Buffalo

ZIRCON SAND—600 bgs, Bank of North South Wales, Sydney, Ottawa

Baltimore Imports

BONE GRIST—1,815 bgs, Buenos Aires
MEAL—1,120 bgs, Montevideo

BONES—685 bgs, Montevideo
579 bgs, Buenos Aires
779 bgs, Buenos Aires
287 bgs, Montevideo
903 bgs, Montevideo

CHROME ORE—1,250 tons, Santa Cruz

COCONUT, DESIC—70 cs, Zamboanga
100 cs, 50 bgs, Order, Tarn, Manila

COTTONSEED MEAL—400 bgs, Santos
2,000 bgs, Santos
2,200 bgs, Santos

IRON ORE—10,700 tons, Bethlehem Steel Co, Cruz Grande

LIVER MEAL—547 bgs, Buenos Aires

MANGANESE ORE—7,300 tons, Takoradi
900 tons, Calcutta

OIL, COCONUT—546 tons, Cebu
540 tons, Manila
586 tons, Manila
FUEL—100,000 bbls, Standard Oil Co, NJ, Aruba

QUEBRACHO EXTRACT—4,020 bgs, Buenos Aires
2,306 bgs, Buenos Aires
SESAME SEED—50 bgs, Hongkong
TANKAGE—2,000 bgs, Montevideo
600 bgs, Buenos Aires
1,975 bgs, Buenos Aires
508 bgs, Santos
508 bgs, Montevideo
2,000 bgs, Santos

Boston Imports

COCONUT, DESIC—150 bgs, Balfour, Guthrie & Co, Philippine Ports
CORK—22 bls, Silverito Guttermen Co, Barcelona
COTTONSEED MEAL—3,200 bgs, West Texas Oil Co, Santos
2,460 bgs, Santos
GUM, DAMMAR—100 cs, Batavia
LAVENDER FLOWERS—124 bls, Peek & Velsor, Alicante
POPPYSEED—200 bgs, Boston Brokerage Co, Istanbul
TAPIOCA FLOUR—500 bgs, Batavia
250 bgs, American Cyanamid & Chem Co, Cheribon
250 bgs, Cheribon
300 bgs, W R Grace & Co, Semarang
250 bgs, Cheribon
905 bgs, Stein, Hall & Co, Batavia
1,842 bgs, Stein, Hall & Co, Batavia
250 bgs, Rutger, Bleecker & Co, Batavia

Charleston Imports

HORN MEAL—1,016 bgs, C Hollinshed Co, Montevideo
TANKAGE—1,000 bgs, Planters Fertilizer & Phosphate Co, Buenos Aires
991 bgs, Merchants Fertilizer Co, Buenos Aires
TAPIOCA FLOUR—820 bgs, Stein, Hall & Co, Sourabaya
2,753 bgs, Stein, Hall & Co, Batavia

Houston Imports

PEPPER, BLACK—1,225 bgs, Catz American Co, Tandjong Priok
82 bgs, Catz American Co, Tandjong Priok
450 bgs, J Henry Schroeder Banking Corp, Oosthaven
TAPIOCA FLOUR—250 bgs, Irving Trust Co, Cheribon
821 bgs, Stein, Hall & Co, Sourabaya

Jacksonville Imports

BLOOD, DRIED—1,814 bgs, Armour & Co, Buenos Aires
508 bgs, Tupman, Thurlow & Co, Rio Janeiro
BONE MEAL—500 bgs, Buenos Aires
1,730 bgs, Ashcraft, Wilkinson & Co, Buenos Aires
190 bgs, Ashcraft, Wilkinson & Co, Buenos Aires
309 bgs, Ashcraft, Wilkinson & Co, Buenos Aires
882 bgs, Ashcraft, Wilkinson & Co, Buenos Aires
1,120 bgs, National City Bank, Buenos Aires
TANKAGE—1,000 bgs, Buenos Aires
1,667 bgs, Ashcraft, Wilkinson & Co, Buenos Aires
441 bgs, Buenos Aires
565 bgs, Ashcraft, Wilkinson & Co, Buenos Aires
1,350 bgs, Swift & Co, Rio Grande
1,600 bgs, Swift & Co, Rio Grande
1,798 bgs, Rio Grande

Los Angeles Imports

AGAR—110 lbs, Yokohama
AMMONIA PHOSPHATE — 179,200 lbs, Trail
ANTIMONY ORE—42,000 lbs, La Paz
BALSAM—600 lbs, San Salvador
CANARY SEED—54,490 lbs, Buenos Aires
CASTOR BEANS—161,880 lbs, Managua
COALTAR, CRUDE—100 dms, 50,000 lbs, London
COCONUT DESIC—940 lbs, Manila
COPRA, MEAL—2,000 bgs, 200,000 lbs, Cebu
19,440 bgs, 1,944,000 lbs, Manila
COTTON LINTERS—252 bls, 134,540 lbs, Torreon
DRUGS—1,200 lbs, Hongkong
ADVANCED—720 lbs, Hongkong
DYE, HAIR—40 lbs, Yokohama
10 lbs, Tokio
FISH LIVERS—350 tins, 15,000 lbs, Yokohama
468 tins, 18,720 lbs, Japan
388 tins, 15,520 lbs, Yokohama
450 tins, 18,000 lbs, Japan
937 tins, 37,480 lbs, Yokohama
GINGER, ROOT—500 lbs, Hongkong
INK, INDIA—140 lbs, Tokio
OIL, MEDICINAL—5 lbs, Hongkong
SESAME—100 lbs, Hongkong
PARAFFIN—2,930 lbs, Balik Papan
PEANUTS, SHELLED—23,700 lbs, Manila
SEAWEED, DRD—700 lbs, Yokohama
910 lbs, Kobe
SOYBEANS—200 lbs, Yokohama
STARCH, POTATO—150 lbs, Kobe
TANKAGE—50,800 lbs, Montevideo
TIMBO ROOT—11,250 lbs, Para
TOILET PREPS—150 lbs, Tokio

New Orleans Imports

COCONUTS—51 tons, Puerto Cortez
LARD—1 ton, Santa Marta

Norfolk Imports

QUEBRACHO EXTRACT—11,260 bgs, International Product Corp, Buenos Aires

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TANKAGE—500 bgs, Wessel, Duval & Co, Buenos Aires
TAPIOCA FLOUR—2,797 bgs, Stein, Hall & Co, Sourabaya
2,778 bgs, Stein, Hall & Co, Sourabaya
4,542 bgs, Stein, Hall & Co, Sourabaya
5,598 bgs, Stein, Hall & Co, Cheribon
250 bgs, Bank of N Y Trust Co, Cheribon
250 bgs, Irving Trust Co, Cheribon
500 bgs, Cheribon

Philadelphia Imports

ASBESTOS FIBER—2,840 bgs, Raw Asbestos Distributors, Ltd, Beira
CANARY SEED—1,575 double bgs, Buenos Aires
CHROME ORE—4,500 tons, E J Lavino & Co, Beira
COCOA BEANS—9,876 bgs, Standard Bank of South Africa, Lagos
27,230 bgs, Balfour, Guthrie & Co, Lagos
560 bgs, Balfour, Guthrie & Co, Accra
3,675 bgs, H A Leamann, Accra
692 bgs, Balfour, Guthrie & Co, Winneba
6,752 bgs, Balfour, Guthrie & Co., Takoradi
COTTONSEED MEAL—3,840 bgs, Santos
4,200 bgs, West Texas Cottonseed Oil Co, Santos
MANGROVE BARK—2,178 bgs, Kilwa
750 bgs, Zanzibar
767 bgs, Dar-es-Salaam
MOLASSES—730,483 gls, E I du Pont de Nemours & Co, Inc, La Romana
669,802 gls, E I du Pone de Nemours & Co, Inc, San Pedro de Macoris
OIL, TEASEED—50 dms, Hongkong
PETROLEUM, CRUDE—119,707 bbls, Gulf Oil Corp, Puerto la Cruz
75,482 bbls, Gulf Oil Corp, Las Piedras
80,858 bbls, Gulf Oil Corp, Las Piedras
56,280 bbls, Gulf Oil Corp, Las Piedras
121,051 bbls, Gulf Oil Corp, Puerto la Cruz
TANKAGE—346 cakes, 3,658 bgs, Buenos Aires
WATTLE BARK—657 bales, Tannin Corp, Mombassa

San Francisco Imports

CORK—45 bls, C J Hendry Co, Alicante
OIL, CHINAWOOD—200 tons, Pacific Vegetable Oil Corp, Hongkong
TEASEED—124 dms, Pacific Vegetable Oil Corp, Hongkong

Savannah Imports

TANKAGE—2,000 bgs, Ashcraft, Wilkinson & Co, Buenos Aires

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended October 23

Cumin seed, 94 bags; filthy.
Medicinal preparation, 1 case; new drug.
Medicinal preparation, 6 parcels; not properly labeled.
Pineneedle oil, 5 drums; not U.S.P.

Baltimore

Week Ended October 23

Fertilizer mixture, 25,001 bags; restricted use.

Boston

Week Ended October 23

Codliver oil, 13 barrels; not U.S.P.
Fertilizer mixture, 4,400 bags; restricted use.
Medicinal preparation, 70 boxes; false therapeutic claims.

Denver

Week Ended October 17

Medicinal, 2 pieces; false therapeutic claims.

Los Angeles

Week Ended October 17

Medicinal, 31 pieces; false therapeutic claims.

San Francisco

Week Ended October 17

Medicinals, 456 pieces; false therapeutic claims.

Seattle

Week Ended October 17

Medicinal, 12 pieces; false therapeutic claims.

Exports from U.S. Ports

Los Angeles Exports

ACID, BORIC—2,000 bgs, 224,000 lbs, Liverpool; 40 pkgs, 5,050 lbs, Vancouver
CRESYLIC—470 lbs, Cutuco
SULPHURIC—10 lbs, Amapala
ASPHALT—10 lbs, Panama; 30 dms, 17,920 lbs, Balboa
LIQUID—128 dms, 60,790 lbs, Cristobal/Panama
SOLID—357 dms, 132,550 lbs, Balboa
BORATE—3,100 bgs, 554,500 lbs, Liverpool
BORAX—300 bgs, 33,600 lbs, Karachi; 8,000 bgs, 896,000 lbs, Liverpool; 280 bgs, 26,480 lbs, Vancouver; 120 bgs, 13,230 lbs, Valparaiso
CEMENT, PLASTIC—640 sx, 60,160 lbs, Vancouver
CHEMICALS—50 lbs, Hongkong; 500 lbs, Cutuco
CLAY, GRD—500 sx, 56,000 lbs, Palembang; 100 bgs, 10,000 lbs, Macero; 100 bgs, 10,000 lbs, Bahia
CLEANER—1,020 lbs, Hongkong; 560 lbs, Manila
COPRA—1,169 bgs, 140,580 lbs, Puntarenas
DIATOMACEOUS EARTH—100 bgs, 10,000 lbs, Yokohama; 640 bgs, 35,130 lbs, Vancouver; 6 bgs, 600 lbs, Panama
GASOLINE—74,683 bbls, Vladivostok; 98,730 bbls, Dairen; 30 dms, Santa Rosalia; 50 dms, Amapala; 100 dms, Alto La Paz; 500 dms, Uyuni; 15,900 lbs, Balboa; 6,298 bbls, Cristobal
GREASE—3 cs, 140 lbs, Sourabaya; 1,200 lbs, Batavia; 24 pkgs, 2,040 lbs, Batavia; 14 cs, 620 lbs, Semarang
LUBRICATING—800 lbs, Sourabaya; 5 dms, 2,000 lbs, Padang; 4 dms, 1,580 lbs, Port Moody; 2 dms, 800 lbs, Cutuco
INSECTICIDE, LIQ—1,500 lbs, Batavia
KEROSENE—500 lbs, Puntarenas; 3,571 bbls, Balboa; 2,332 bbls, Cristobal
LACQUER—590 lbs, Hongkong; 100 lbs, Chinandega; 260 lbs, Managua; 3,280 lbs, Manila; 1,240 lbs, Havana
THINNER—16,000 lbs, Manila; 2,340 lbs, Hongkong; 50 lbs, Chinandega; 60 lbs, Managua
OIL, COCONUT—84 dms, 33,600 lbs, Callao
COTTONSEED—23 dms, 9,740 lbs, Vancouver; 830 lbs, Guayaquil
DIESEL—34,514 bbls, Tsurumi; 19,917 bbls, Balboa; 1,400 bbls, Porto Armuelles
FISH—1,240 lbs, Albonito
FISH, HYDROG—22 bgs, 2,200 lbs, Pisco
FUEL—58,501 bbls, Tsurumi; 23,776 bbls, Santa Rosalia; 24,845 bbls, Ioco/Vancouver; 7,504 bbls, Vancouver; 74,424 bbls, Balboa
LEMON—100 lbs, Manila
LUBRICATING—2 dms, Padang; 10 dms, Medan; 15 dms, Sourabaya; 37 pkgs, Sourabaya; 12 dms, Batavia; 62 pkgs, Samarang; 108 pkgs, Batavia; 4 dms, Samarang; 37 pkgs, Sourabaya; 110 dms, Manila; 30 dms, Vancouver; 35 dms, Port Moody; 10 dms, Cutuco; 2 dms, Mexicali
ORANGE—50 lbs, Manila
PALM, FLAKE—14 bgs, 2,240 lbs, San Jose de Guatemala
PAINT—1,100 lbs, Hongkong
PETROLEUM, CRUDE—80,095 bbls, Tsuchizaki/Niigata; 58,768 bbls, Ioco/Vancouver
GAS, LIQ—30 cyls, 6,750 lbs, Bombay
POTASH MURIATE—1,000 bgs, 199,360 lbs, San Juan
SULPHATE—2,500 bgs, 499,520 lbs, San Juan
PUTTY—5,400 lbs, Balboa
RUBBER COMP—940 lbs, Hongkong
SOAP, FLAKE—660 lbs, Vancouver
LAUNDRY—7,500 lbs, Mayaquez; 45,000 lbs, San Juan
POWDER—1,300 lbs, Vancouver
SODA ASH—330,750 lbs, Sao Paulo; 4,000 lbs, San Jose de Guatemala
CYANIDE—6,720 lbs, Mollendo
SOLVENT, PETROLEUM—12 dms, 3,780 lbs, Vancouver
TALC—100 bgs, 11,200 lbs, Guayaquil; 400 bgs, 20,000 lbs, Barranquilla
TOILET PREPS—6,300 lbs, Sourabaya; 6,300 lbs, Batavia; 1,330 lbs, Shanghai; 2,160 lbs, Manila; 1,500 lbs, Buenos Aires; 280 lbs, Cristobal; 370 lbs, Guatemala City; 200 lbs, San Salvador
WHITING—500 bgs, 50,000 lbs, Manila

New Orleans Exports

ACID, STEARIC—23 tons, Vera Cruz
ALUM—32 tons, Cristobal
LARD—24 tons, Puerto Limon; 14 tons, Cartagena; 5 tons, Vera Cruz; 16 tons, Panama City
OIL, DIESEL—85 tons, Ceiba; 70 tons, Puerto Cabezas
FUEL—342 tons, Ceiba
LUBRICATING—14 tons, Cristobal
LUBRICATING, AVIATION—7 tons, Puerto Cabezas
PINETAR—8 tons, Vera Cruz
ROSIN—12 tons, Cristobal; 21 tons, Cartagena; 5 tons, Panama City; 8 tons, West Coast, South America
SALT—77 tons, Havana; 2½ tons, Ceiba; 16 tons, West Coast, South America
WAX—29 tons, Vera Cruz

Philadelphia Exports

ADHESIVE—6 dms, Rio de Janeiro
ALCOHOL, BUTYL—2 dms, Montevideo
ASBESTOS—8 bls, 3 cs, 3 ctns, Santos
BRAKE FLUID—2 dms, Petsamo
GREASE—1 cs, 9 dms, Petsamo; 20 dms, 2 bbls, 1 cs, Rio Grande
LICORICE PASTE—15 cs, Rio de Janeiro
OIL, LUBRIC—27 dms, Petsamo; 154 dms, 235 cs, 17 ctns, Montevideo; 31 dms, 192 cs, Rio Grande
PAINT—2 pls, Petsamo
RESIN, SYNTH—6 bbls, 6 dms, Montevideo
TANNING EXTRACT—11 bbls, Montevideo
TOLUOL—4 dms, Montevideo
VARNISH DRIER—1 dm, 1 bx, Montevideo
XYLOL—4 dms, Montevideo

Foreign Trade Rules

Information recently published by the Department of Commerce in foreign tariff and related trade regulations include the following:—

Aluminum:—The importation into Canada of aluminum, manufactured or unmanufactured, is prohibited except under permit issued by or on behalf of the Canadian Minister of National Revenue.

Bauxite: — Uruguay has included bauxite within the raw materials section of the tariff, to be exempt from import duty and subject only to a surtax of 4 percent of a fixed official customs valuation to be decided later by the Customs Commission.

Package Tax:—British Honduras has increased the package tax on imports from 10 cents to 15 cents per package. A package is defined as including any merchandising or articles wrapped incased or protected by any outer protection or covering.

A.C.S. Elects 72 To Administrative Posts

—*Continued from page* 3

Nearly 3,000 new members have been elected to the society in 1940. Establishment of a new local section with headquarters in Cumberland, Md., and territory comprising Allegany, Garrett, and Washington counties in Maryland, to be known as the Western Maryland section, has been authorized. Ninety-two other local sections are located throughout the country. The society will hold its next semi-annual meeting in St. Louis, in April, 1941.

The new divisional chairmen are:—

Agricultural and food chemistry, Gerald A. Fitzgerald, of the General Foods Corporation, New York; analytical and microchemistry, Dr. G. E. F. Lundell, of the U. S. Bureau of Standards, Washington; biological chemistry, Dr. Herbert O. Calvery, of the U. S. Department of Agriculture, Washington; cellulose chemistry, Dr. William O. Kenyon, of the Eastman Kodak Company, Rochester, N. Y.; chemical education, Prof. Rufus D. Reed, of New Jersey State Teachers' College, Montclair, N. J.; colloid chemistry, Prof. Arthur M. Buswell of the University of Illinois; fertilizer chemistry, Dr. H. B. Siems, of Swift & Company, Chicago; history of chemistry, James F. Couch of the U. S. Bureau of Agricultural Chemistry and Engineering, Philadelphia, Pa.

Industrial and engineering chemistry, Prof. Barnett F. Dodge of Yale University; medicinal chemistry, Dr. Russell J. Fosbinder, vice-president of the Maltbie Chemical Company, Newark, N. J.; organic chemistry, Prof. Nathan L. Drake of the University of Maryland; paint, varnish and plastics chemistry, C. G. Sward, of the National Paint, Varnish and Lacquer Association, Washington, D. C.; petroleum chemistry, J. K. Roberts, of the Standard Oil Company of Indiana, Chicago, Ill.; physical and inorganic chemistry, Prof. John G. Kirkwood of Cornell University; rubber chemistry, Roscoe H. Gerke of the United States Rubber Company, Passaic, N. J.; sugar chemistry and technology, R. Max Goepp, jr., of the Atlas Powder Company, Wilmington, Del.; water, sewage and sanitation chemistry, Prof. Charles R. Hoover, of Wesleyan University.

The divisional group officers reelected Prof. Cliff S. Hamilton of the University of Nebraska as chairman, an Prof. Buswell as secretary.

Dr. Jacque C. Morrell, associate director of the Universal Oil Products Company, Chicago, was chosen chairman of the local section group officers; Dr. F. O. Rice of the Catholic University of America was named chairman-elect, and Auburn A. Ross of Eli Lilly & Company, Indianapolis, Ind, secretary.

Two associate editors of the "*Journal of the American Chemical Society*" were elected for five year terms as follows:—Prof. Werner E. Bachmann of the University of Michigan: Prof. Henry Gilman of Iowa State College. Associate editors of the "*Journal of Physical Chemistry*" for a term of two years are Prof. W. H. Rodebush of the University of Illinois and I. M. Kolthoff of the University of Minnesota.

Prof. L. O. Brockway of the University of Michigan and C. G. King of the University of Pittsburgh will be associate editors of *Chemical Reviews* for a term of three years. Dr. William A. Noyes of the University of Illinois was re-elected editor of *Scientific Monographs* for three years.

Dr. Harrison E. Howe of Washington, D. C., continues as editor of *Technologic Monographs* for three years. Associate editors will include Dr. C. H. Mathewson of Yale University, Dr. W. G. Whitman of Massachusetts Institute of Technology, and Dr. F. W. Willard of the Nassau Smelting and Refining Company, New York City.

Dr. Lundell and Prof. H. H. Willard of the University of Michigan will serve on the advisory board of the analytical edition of *Industrial and Engineering Chemistry*.

Dr. Gustavus J. Esselen of Boston was re-elected to the council policy committee for three years beginning January 1, 1940.

Michigan Alkali Honors Veteran Employees

—Continued from page 5

welded a great American nation into a great people.

Even the most humble of us have comforts which are denied those in comparatively more fortunate circumstances in other lands—all because we have been able to utilize intelligently the vast stores of raw materials with which our country is blessed and put them to work for mankind.

Amazing new inventions are bound to come in the next fifty years, perhaps dwarfing even the electric light, the telephone, the motor car and the radio. We can look forward to the day when our scientists will unlock the atom, opening up a source of boundless power, greater than the coal and oil stores of mother earth. Ways will be found to wipe out disease. New inventions will be made in the fields of transportation and communication. Rockets defying the force of gravity may supplant the motor car and airplane. New developments in the field of chemistry will yield still greater economic benefits. Our Research Department is at work on many of these developments already.

Possibilities which the future holds are boundless. We are not at the peak of our accomplishments today. We are only at the threshhold of a period of greater achievement. I am supremely confident of this, and I am certain that the great American chemical industry of which our company is a part will play a leading part in the progress which is to come.

The Michigan Alkali Company was founded by the late Capt. John Baptiste Ford, Detroit manufacturer, as the crowning achievement of a long and successful business career. One of the most colorful figures in American industry and father of plate glass manufacturing in this country, Capt. Ford was seventy-nine years old and a part owner of the Pittsburgh Plate Glass Company at the time. Capt. Ford continued his active connection with the company until a year before his death in 1903 at the age of ninety-two. Since then the company has been carried on by his sons, grandsons and great-grandsons. Emory L. Ford, president, is a grandson, J. B. Ford, jr., a great-grandson.

Michigan Alkali was a family enterprise from the outset. It was, at the captain's wish, to remain a family legacy, held firmly and closely as something beyond price. In 1897 he refused an offer of $6,000,000 for Michigan Alkali.

From a company that originally occupied only twenty acres and had only one small plant producing soda ash, Michigan Alkali has grown over the past fifty years to a tremendous organization. Its plant areas now cover 300 acres along the Detroit river, it has its own colleries, its own limestone quarries and its own fleet of lake boats to transport raw and processed materials.

Members of Ford family at jubilee dinner of Michigan Alkali Company. Left to right: Ford Ballantyne, secretary; J. B. Ford, jr., executive vice-president; Emory M. Ford, treasurer; E. L. Ford, president; J. B. Ford, sr., retired president; and F. S. Ford.

E. L. Ford, president of Michigan Alkali Company, presenting watch to J. B. Ford, sr., retired president, at company's golden anniversary celebration dinner.

Ammonium Carbonate Nationwide Prices Issued

Nation-wide prices, effective November 1, 1940, have just been issued by Philadelphia sales headquarters of National Ammonia Division, E. I. du Pont de Nemours & Co., Inc., for its ammonium carbonate in large and small drums and five-pound cans.

The company states it will offer 1941 contracts to buyers beginning November 15, 1940. The schedule for lump material in 450-pound drums is as follows:—

	Price in cents per pound.
Alabama	10.00
Arizona	12.75
Arkansas	10.50
California (via all rail)	13.00
(via ocean) c.i.f. Los Angeles harbor	9.50
(via ocean) c.i.f. San Francisco	9.50
Colorado	11.25
Connecticut	8.75
Delaware	8.75
District of Columbia	8.75
Florida	10.25
Georgia	9.75
Idaho	13.00
Illinois	9.25
Indiana	9.25
Iowa, Mississippi River points	9.25
Iowa, other points	9.75
Kansas	10.50
Kentucky	9.25
Louisiana (via all rail)	10.50
(via ocean) c.i.f. New Orleans	9.75
Maine	9.00
Maryland	8.75
Massachusetts	8.75
Michigan, lower peninsula	9.25
Upper peninsula	10.25
Minnesota	9.75
Mississippi	10.25
Missouri	9.75
St. Louis	9.25
Montana	12.25
Nebraska	10.25
Nevada	13.00
New Hampshire	9.00
New Jersey	8.75
Within zone north of Raritan river (including cities of New Brunswick and Bound Brook) and east of a line Bound Brook—Millington—McAfee—Glenwood to New York State line	8.25
New Mexico	12.00
New York	8.75
New York City (boroughs of Manhattan, Bronx, Kings, Queens, and Richmond)	8.25
North Carolina	9.50
North Dakota	10.75
Ohio	9.00
Oklahoma	10.75
Oregon (via all rail)	13.00
(via ocean) c.i.f. Portland	9.50
Pennsylvania	8.75
Philadelphia	8.25
Rhode Island	8.75
South Carolina	9.50
South Dakota	10.25
Tennessee	9.75
Texas (via all rail)	11.25
(via ocean) c.i.f. Corpus Christi	9.75
(via ocean) c.i.f. Galveston	9.75
(via ocean) c.i.f. Houston	9.75
Utah	12.25
Vermont	9.00
Virginia	9.00
Washington (via all rail)	13.00
(via ocean) c.i.f. Seattle	9.50
(via ocean) c.i.f. Tacoma	9.50
West Virginia	9.00
Wisconsin	9.50
Milwaukee	9.25
Wyoming	11.25

	Differentials to be added to lump prices, per lb.
Special sizes of lump—	
4 inch regular	1c
2 inch regular	1¼c
Powdered	1c
Chips—	
No. 1. ⅝ inch to ½ inch	5c
No. 2. ½ inch to ⅜ inch	10c
No. 3. ⅜ inch to ¼ inch	10c
Unscreened up to 1 inch	5c
Cubes—	
⅝ inch	15c
½ inch	11c
¾ inch	10c

Prices in small drums are uniformly one cent per pound more than in large drums. Prices in two full cartons, 5-pound cans, 120 pounds net, are uniformly six cents per pound more than in large drums.

All prices f.o.b. or c.i.f. destination.

To obtain list prices on cans buyer must purchase a minimum of two fiber cartons or a total of twenty-four 5-pound cans, equivalent to 120 pounds of material.

Less than two full fiber cartons—add to can price 5c per pound for 60 pounds in cans.

We accept orders only for full cartons (60 pounds) or multiples thereof.

Price for minimum railroad carload quantity—¼c per pound less than the above schedule prices. Carload prices are f.o.b. or c.i.f. destination above and apply only on straight carloads of ammonium carbonate and not for mixed carloads with other material. Terms, 1% 10 days, 30 days net.

Trade Briefs

Frank Reed has been named secretary-manager of the California Sardine Products Institute.

Coaltar distillation in Canada was valued at $3,648,080 in 1939, an increase of 26 percent over the $2,895,237 made in 1938.

Chemicals and allied products imported into Argentine for the first half of 1940 continued the upward movement evident in 1939, reaching an arbitrary tariff valuation of 51,000,000 pesos compared with 37,000,000 in the first half of 1939.

J. W. Kitts, formerly assistant general manager at E. I. du Pont de Nemours & Co.'s explosives plant at Barksdale, Wis., has been named general manager of the Tennessee Powder Company's $20,000,000 powder plant now under construction at Millington, Tenn.

American Salt Company, Chicago, has called for redemption October 24, its outstanding preferred stock at $5.50 a share.

Dow Chemical Company has taken additional office space for the New York branch at its current location in Radio City.

Baltimore Printing Ink Company has leased space at 37-39 South Charles street, Baltimore, for a plant and salesroom.

J. W. Moore and **S. O. Sorrenson,** of the Archer-Daniels-Midland Company, linseed crusher, Minneapolis, were in New York last week.

Harry M. Hooker, president of the Hooker Electrochemical Company, has been elected president of the Niagara Falls Community Chest.

Sheep dip imports into Argentine in the first half of 1940 was 6,492 metric tons, in contrast with 5,073 tons during the corresponding period of 1939.

Peter J. Schweitzer, Inc., paper manufacturer, Elizabeth, N. J., is building a $30,000 addition to its plant as the first step in the company's $1,000,000 expansion program.

American Rolling Company has contracted with the Koppers Company, Pittsburgh, for the installation of twenty-five Koppers-Becker type by-product coke ovens at Hamilton, O.

Hercules to Rebuild in Kenvil

The Hercules Powder Company, Wilmington, has awarded a $2,000,000 contract for rebuilding its powder plants in Kenvil, N. J., when more than fifty persons were killed in the blast which destroyed the smokeless powder plant a month ago.

Obituaries

Charles S. Wood

Charles S. Wood, for thirty-four years sales director for the Corn Products Refining Company, this city, died October 24 at Montclair, N. J., from a paralytic stroke suffered two days previously. He was seventy years of age.

A native of Brooklyn, and a graduate of the Brooklyn Polytechnic Institute, Mr. Wood began his career fifty-four years ago as an office boy with the Duryea Starch Company. He later became a bookkeeper. In 1899 the firm was merged with the National Starch Company and he was transferred to the sales staff. Shortly thereafter he formed his own firm, the Independent Starch Company, serving as its president until 1906, when he left to join the New York Glucose Company, which had taken over the National Starch Company.

In 1906 the New York Glucose Company and the Corn Products Company merged as the Corn Products Refining Company. Mr. Wood was named sales director, a position he held until his death. In 1936 he was honored by his company on the observance of his fiftieth anniversary in the industry.

Surviving are his widow and a daughter, both of Montclair.

H. J. Anderson, secretary-manager of the California Sardine Products Institute, San Francisco, died in Oakland, Calif., October 16, following an illness of several months. He was fifty years of age.

Edward T. Butler, a director and Ohio sales representative for the McDougall-Butler Company, Inc., Buffalo, died October 19 at Shaker Heights, Ohio.

Mason A. Freeman, for many years agent for the Standard Oil Company of New York at Olean, N. Y., and a veteran of forty years of service with the company, died in the family home at Olean.

William Ochs, who until a year ago had operated his own wholesale drug concern under the name of the First Aid Supply Company, this city, died October 24 after a brief illness. He was fifty-six years of age.

George C. Schuster, president of the Peerless Cosmetics Company, Mount Vernon, N. Y., died October 21 in that place after a ten-day illness. He was forty-eight years old.

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

NEW YORK JOBBING and importing firm established over twenty years is interested in securing new connections for the sale of raw materials, by-products or chemical specialties. BOX 172, Oil, Paint and Drug Reporter.

CHICAGO and middle western agent desires to represent chemicals, essential oils, raw materials, crude drugs, waxes, petrolatum, mineral oils, paper boxes, collapsible tubes, machinery, etc., 36 years old, married, member of Chicago Perfumers, Soap and Extract Ass'n, Chicago Drug and Chemical Ass'n. BOX 191, Oil, Paint and Drug Reporter.

RELIABLE NEW YORK Corporation interested representation first-class manufacturer, to act as principal or agent. BOX 194, Oil, Paint and Drug Reporter.

IF YOU can offer chemical specialities, pigments, oils or other raw materials for Ohio representations, address BOX 208, Oil, Paint and Drug Reporter.

WELL LOCATED agent desires lines of representation in fertilizer material, edible oil, adhesive and industrial chemical fields, for Indiana, South Ohio, Eastern Illinois, Kentucky. R. Fortune, Jr., 608 Chamber of Commerce Building, Indianapolis, Ind.

Buildings Offered

TO LET or lease, business properties, Manhattan. Four story brick "L" building, 178 front, at 148 John street. Shipping platforms, elevators. E. E. Androvette, 277 Water street, New York City.

Businesses Wanted

RELIABLE and well-rated organization is interested in purchasing operating chemical plants having assets preferably from half million to two million dollars or larger. BOX 206, Oil, Paint and Drug Reporter.

Capital Offered

CAPABLE BUSINESS executive is interested in actively affiliating as partner with a manufacturing, wholesale or importing business requiring capital for expansion. Will invest up to $25,000. BOX 199, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Tyler Hummer screen 4 ft. x 5 ft.; Proctor two-truck dryer; Oliver 3 ft. x ½ ft. lab. rotary filter; No. 7 and No. 10 Sweetland filters; two Anderson expellers, motor driven; four 7 ft. x 5 ft. pebble mills, 9 x 24, 12 x 30 and 16 x 40-in. 3-roll mills; 3 ft. x 8 ft. rotary steam tube dryer; No. 30 Devine vacuum shelf dryers; No. 00, No. 0 and No. 1 Raymond mills; Gruendler 50 H.P. hammer mill; Stedman 42-in. disintegrator; three 900 gal. closed, jack., agitated kettles; 32-in. copper basket centrifugal; 36-in. copper coating pan; jacketed, agitated vacuum stills; copper, aluminum, steel and glass lined kettles and tanks; Hammer mills; crushers and pulverizers; tablet machines, ½ in. to 2½ in., single punch and rotary; filter presses to 36 in. sq.; disc filters; iron mills; portable agitators; powder and paste fillers and mixers; bottle fillers and washers. Only partial listing. Write for chemical bulletin No. 128 and pharm. bulletin No. 113. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

JAR MILLS—One and four gallons; pebble mills, 50-100 gallons; filter presses, 18 in., C. I., 24 in. wood; 1-24 in. and 1-30 in. soap crutchers; 150 gal. agitated jacketed kettle. Edw. W. Lawler, Metuchen, N. J.

COMPLETE STOCK rebuilt equipment: Pebble and ball mills, laboratory to 1,000 gal.; roller mills; stone mills, powder mixers; pony mixers; jacketed mixers, 5 to 700 gals; filter presses, 12 in. to 36 in. sq.; copper varnish pans, 60 to 300 gals; colloid mills; evaporators; dryers.; etc. Send for complete bulletin. We will trade or buy your surplus equipment. Brill Equipment Corporation, 183 Varick street, New York City.

Equipment Wanted

WANTED—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixer, pulverizer. No dealers. BOX 171, Oil, Paint and Drug Reporter.

Factories Offered

MODERN FACTORY, one story 50x200 (boiler house addition and storage shed) no columns, 20 ft. headroom, concrete floor, truck level high, railroad siding office, New Jersey. Seventeen miles to New York City. The R. L. Kraft Company, Woolworth Building, COrtlandt 7-9377.

Materials Wanted

WE ARE in the market for large quantities of heavy chemicals for export purposes. Reliable organization. In answering please state character and kinds of materials you can supply and quantities. BOX 207, Oil, Paint and Drug Reporter.

Positions Vacant

WANTED by eastern manufacturer—chemist and production superintendent thoroughly familiar with formulation and manufacture of paints, enamels and varnish. State age, experience, past connections and salary expected. BOX 203, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMICAL ENGINEER, M.I.T. 1937, lacquer experience, seeks position chemical or allied field. Age 26. Single. Available immediately. Locate anywhere U.S. BOX 198, Oil, Paint and Drug Reporter.

CHEMICAL SALESMAN, thoroughly experienced selling industrial chemicals, raw materials, solvents, acids, pigments, insecticides, chemical specialties, etc., well acquainted with the trade in eastern and midwestern territory now open for position. BOX 204, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMICAL ENGINEER, age 27, four years experience production, development and research of chemical manufacturing, desires selling position with reliable house, where technical background will be valuable. Little selling experience. Good record and personality. Married and employed. Box 205, Oil, Paint and Drug Reporter.

CHEMICALLY TRAINED man, twenty years experience in manufacture, sales and distribution of pharmaceutical and industrial chemicals, botanicals, essential oils, and medical products. Desires position as salesman, or in plant. Own automobile. BOX 209, Oil, Paint and Drug Reporter.

EXECUTIVE-CHEMIST, 40, liquidating own business, broad experience; factory management, purchasing, volume correspondence, general administration. chemical research—seeks connection anywhere U.S.A. BOX 210, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers — if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

Surplus Stock

WILL BUY—Your surplus or off-grade chemicals, oils, waxes, pharmaceuticals, gums, by-products, residues. For quick action phone Mr. Gelb, WAlker 5-4250, Barclay Chemical Company, Inc., 75 Varick street, New York.

HIGHER MARKETS—Sell now. Wanted—Surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes,. by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

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Bids Wanted

Aluminum Powder:—Quantities for Portsmouth, Va., and Mare Island, Calif.; Bureau of Supplies and Accounts, Navy Department, Washington, D. C; schedule 3800, opening November 12.

Ammonium Nitrate:—23,000,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 953, opening October 31.

Perchlorate:—Quantities for Portsmouth, Va., and Mare Island, Calif.; Bureau of Supplies and Accounts, Navy Department, Washington D. C.; schedule 3800, opening November 12.

Barium Peroxide:—Quantities for Portsmouth, Va., and Mare Island, Calif.; Bureau of Supplies and Accounts; Navy Department, Washington, D. C.; schedule 3800, opening November 12.

Magnesium Powder:—Quantities for Portsmouth, Va., and Mare Island, Calif.; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 3800, opening November 12.

Soap, Soft:—285,000 pounds; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton, O.; circular 850, opening November 1.

Soda Ash:—15,000 pounds; Quartermaster, Marine Corps, Washington, D. C.; schedule 514, opening October 31.

Strontium Nitrate:—Quantities for Portsmouth, Va., and Mare Island, Calif.; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; schedule 3800, opening November 12.

Trichloroethylene:—13,000 pounds.; commanding Officer, Springfield Armory, Mass.; invitation 143, opening November 1.

Wax, Carnauba:—300 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 950, opening October 31.

Balto. Paint Club Combats Prison Paint Plant Plans

Baltimore, Oct. 21, 1940

Delegates of the Baltimore Paint, Varnish and Lacquer Association to the national convention have been instructed to warn clubs of other cities of the establishment of paint factories in State penitentiaries, a procedure now planned in some states. Such a plan was successfully defeated in Maryland when paint manufacturers pointed out to the prison board that this step would involve serious fire hazard to property and inmates of the prisons, and entanglements with unions representing workers in paint plants.

At the October meeting, when the prison problem program was voted, guest speaker was Roy B. Anderson, of the Brooklyn Varnish Company and regional vice-president of the national association. He reviewed what his company had done to increase sales by an educational program aimed at home owners whose property needed improvement and painting. Another speaker, James M. Hepborn, director of the Baltimore Community Fund Campaign, outlined the campaign that will start November 4.

Columbia Carbon Company, this city, has applied to the New York Stock Exchange for listing of 538,420 shares of no par capital stock.

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Zinc Industry Reviewed

A concise review of zinc production and use, from mine to market, is presented in a new booklet prepared by the American Zinc Institute. Entitled "The Zinc Industry," the new booklet, in a non-technical fashion, deals with the production and consumption of zinc in sufficient detail to give a complete picture of the industry. Copies of the volume may be obtained by addressing the American Zinc Institute, 60 East 42nd street, New York, mentioning the REPORTER.

North American Chemical Company in the name under which Kenneth Ziegler, 45 Allen street, Buffalo, will operate his business.

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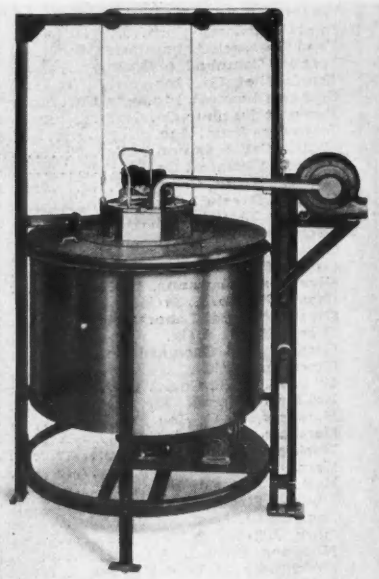

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